

Figure 1

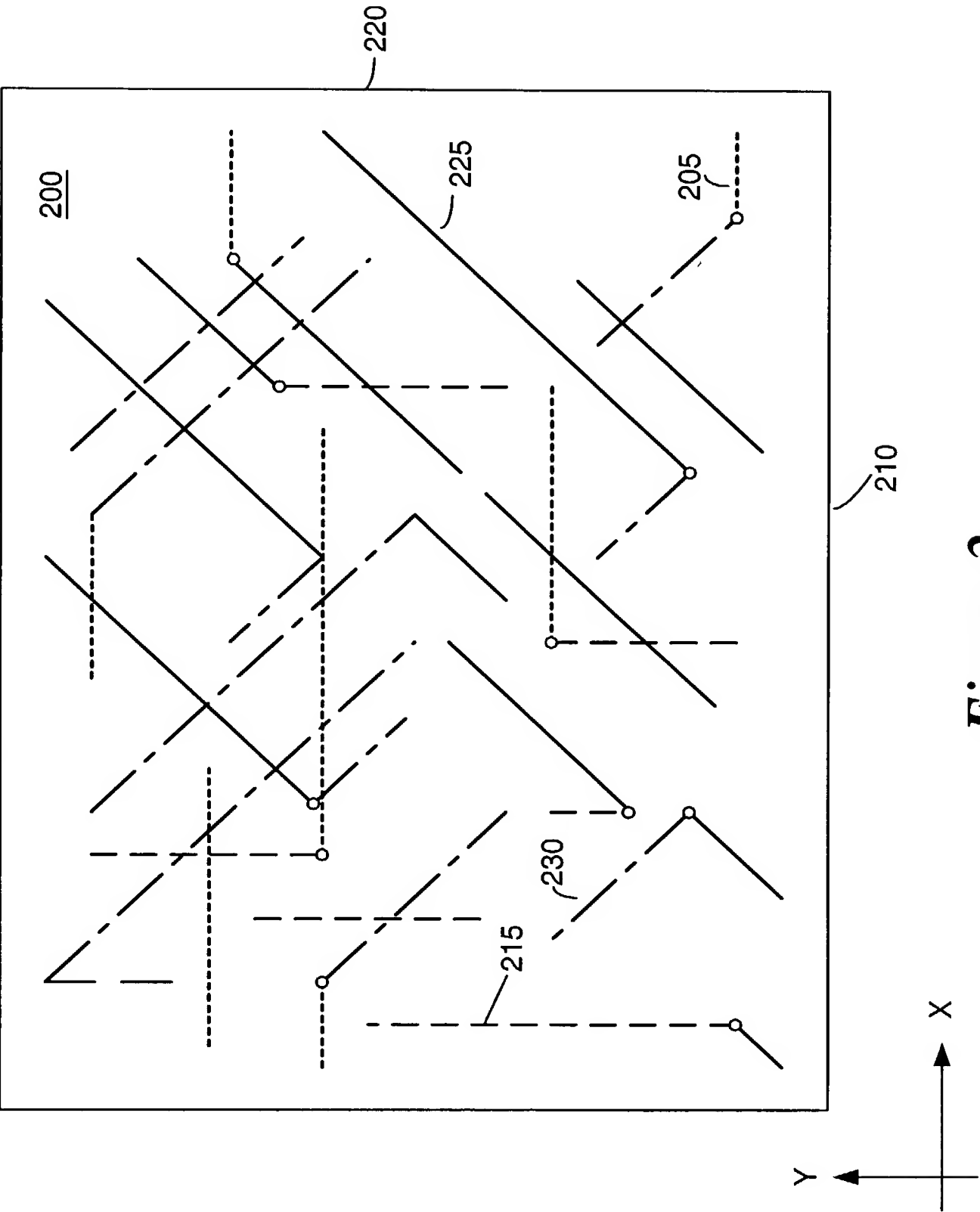


Figure 2



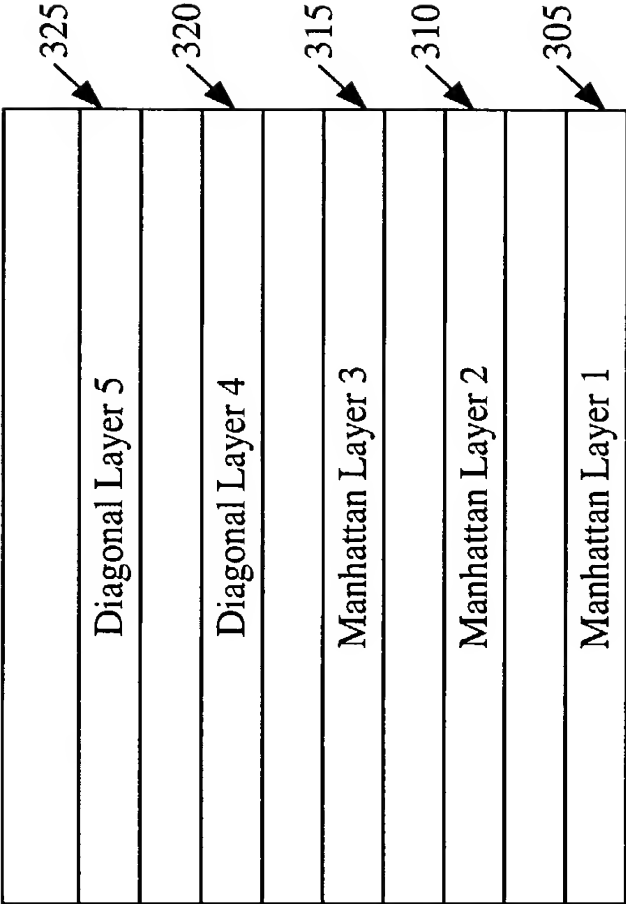
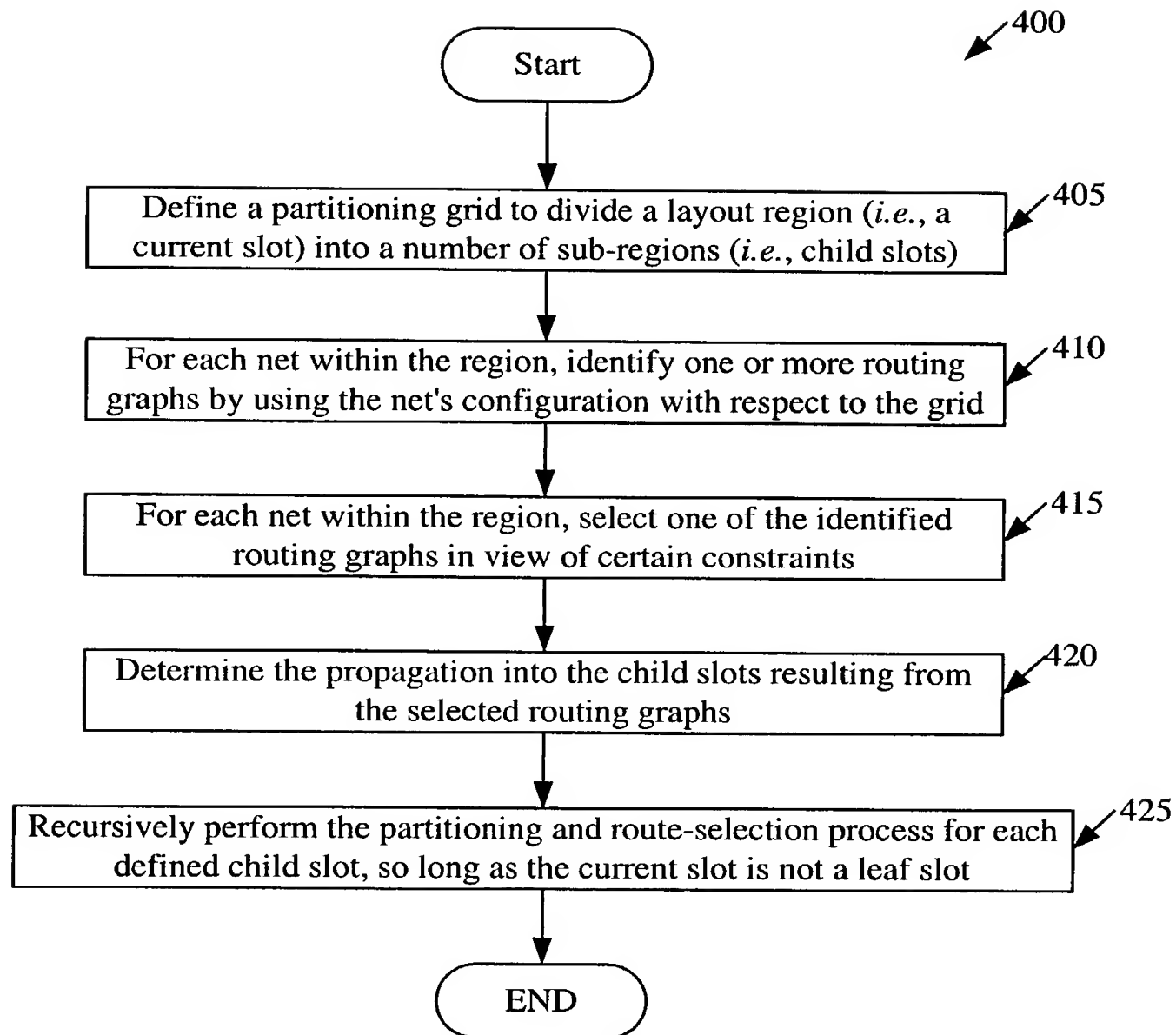
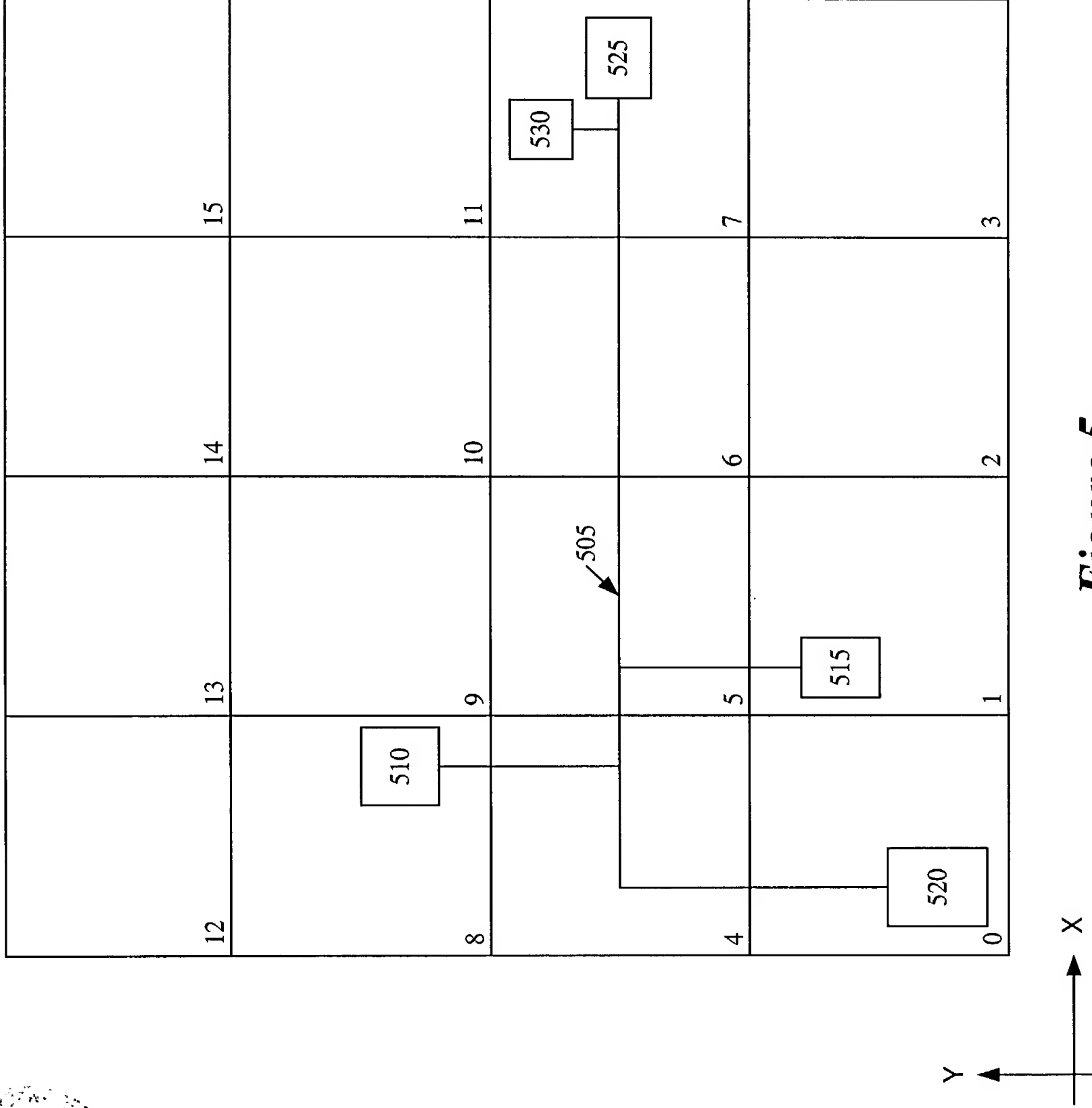


Figure 3



**Figure 4**



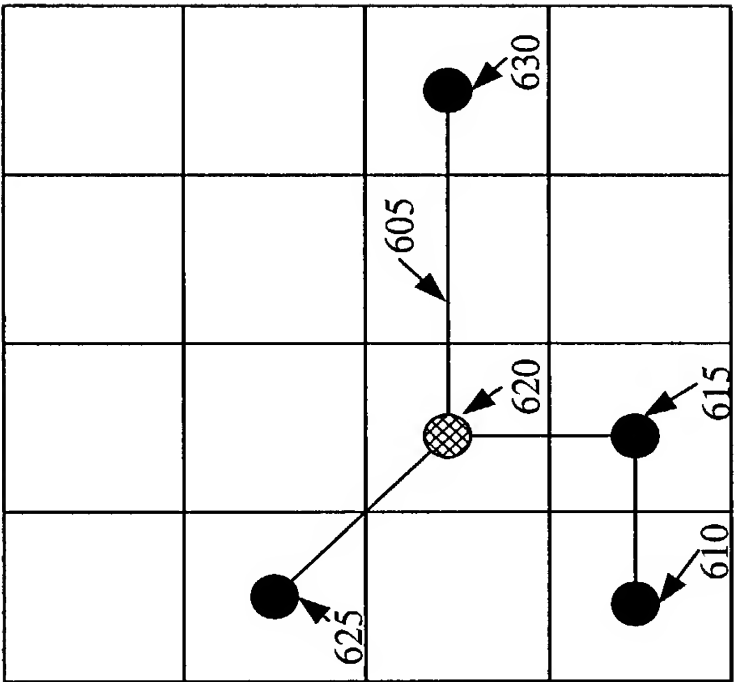


Figure 6

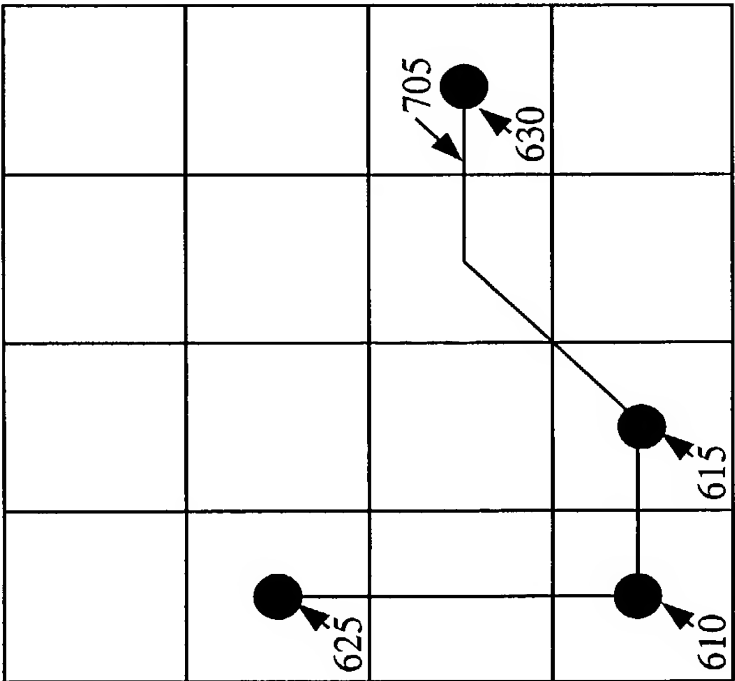


Figure 7

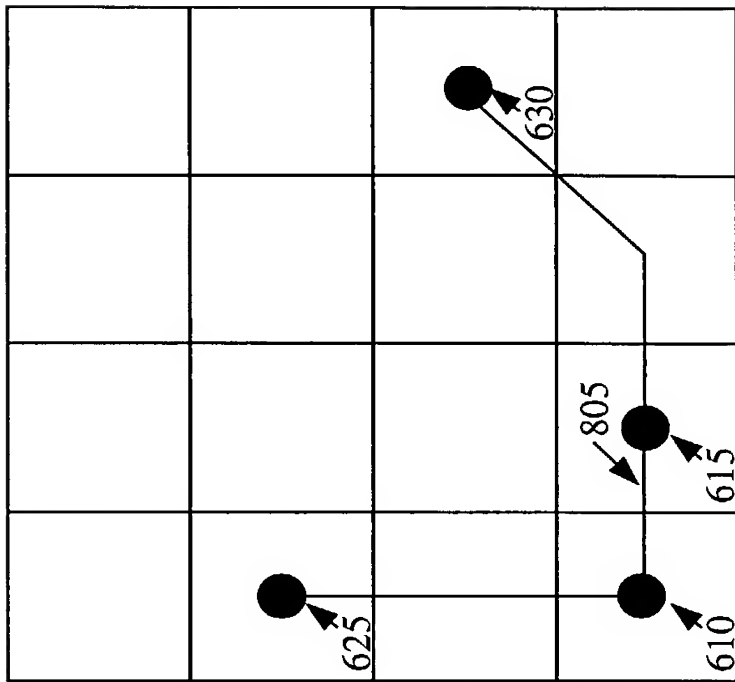


Figure 8

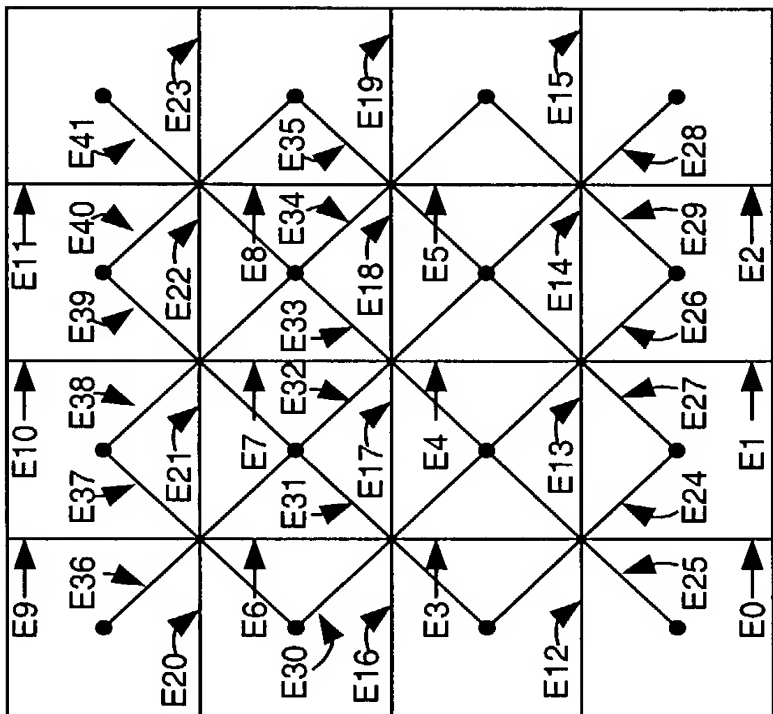


Figure 10

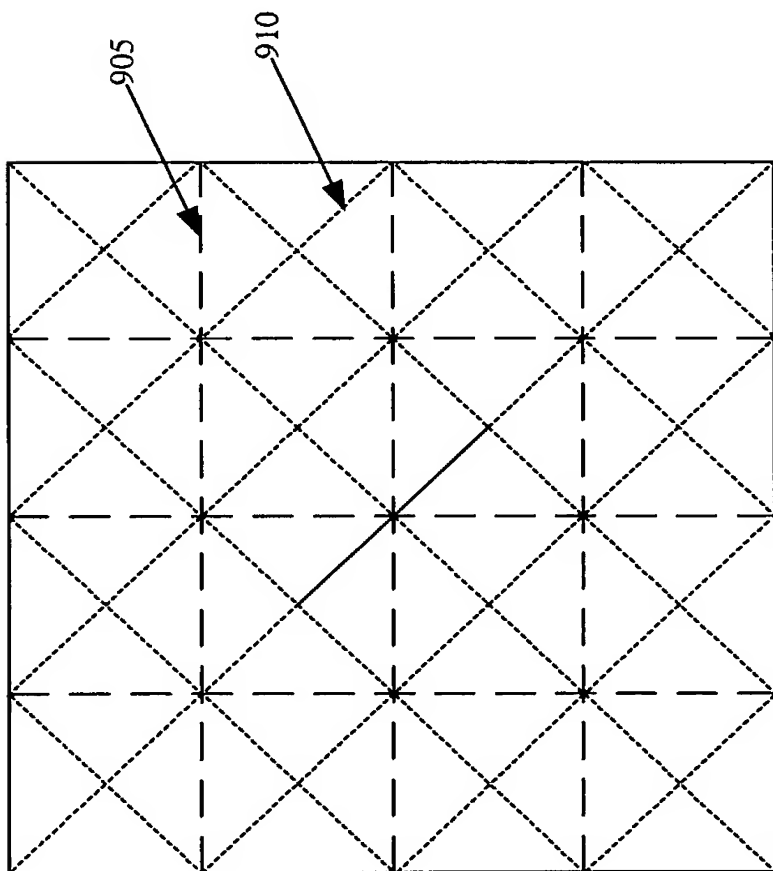


Figure 9

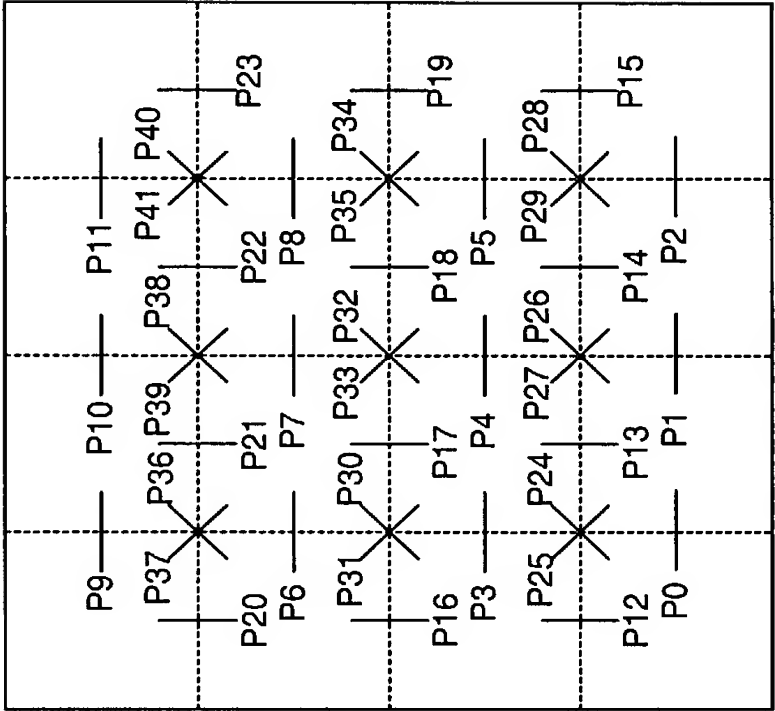


Figure 12

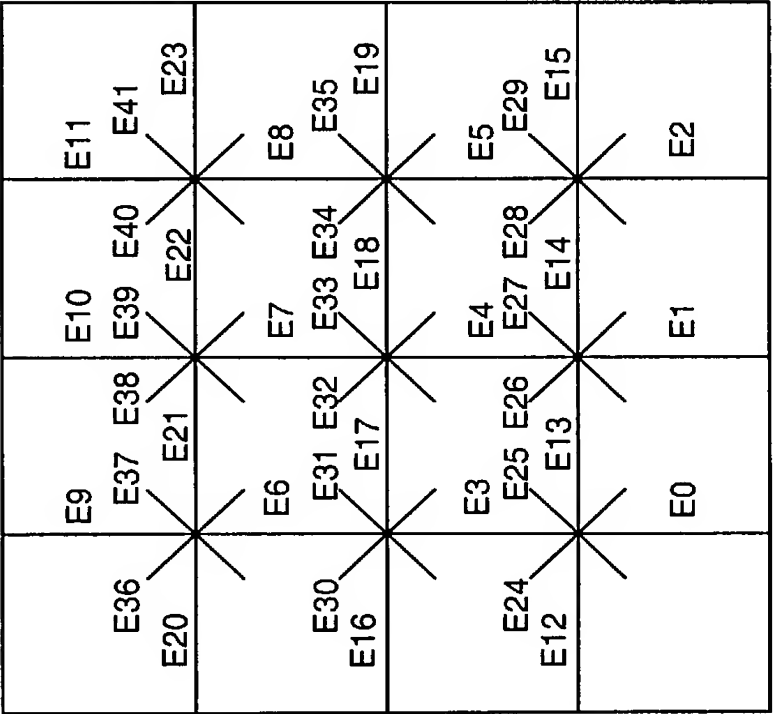


Figure 11



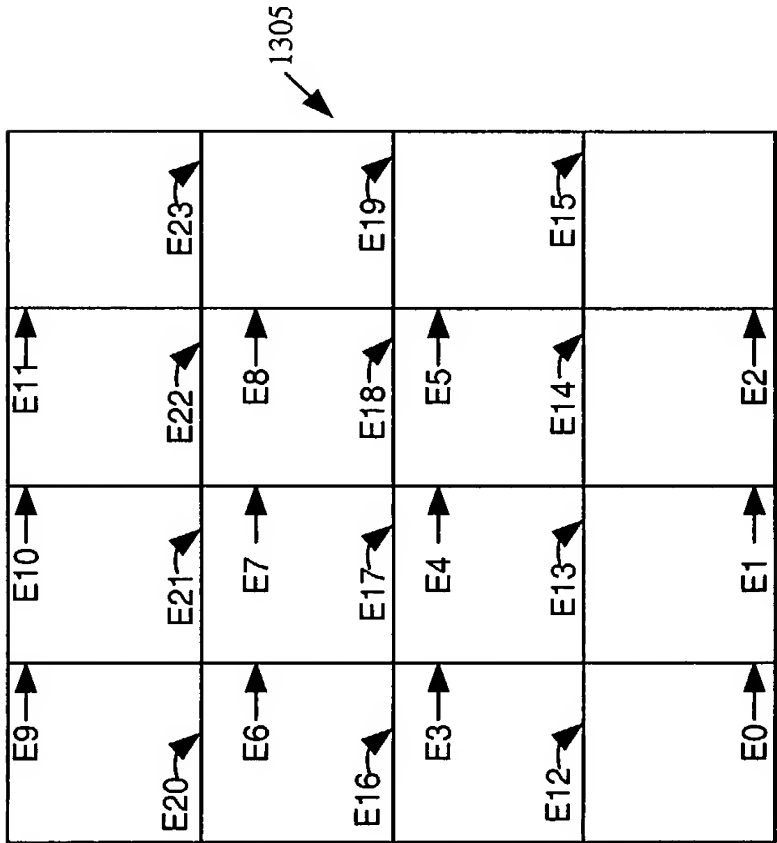


Figure 13

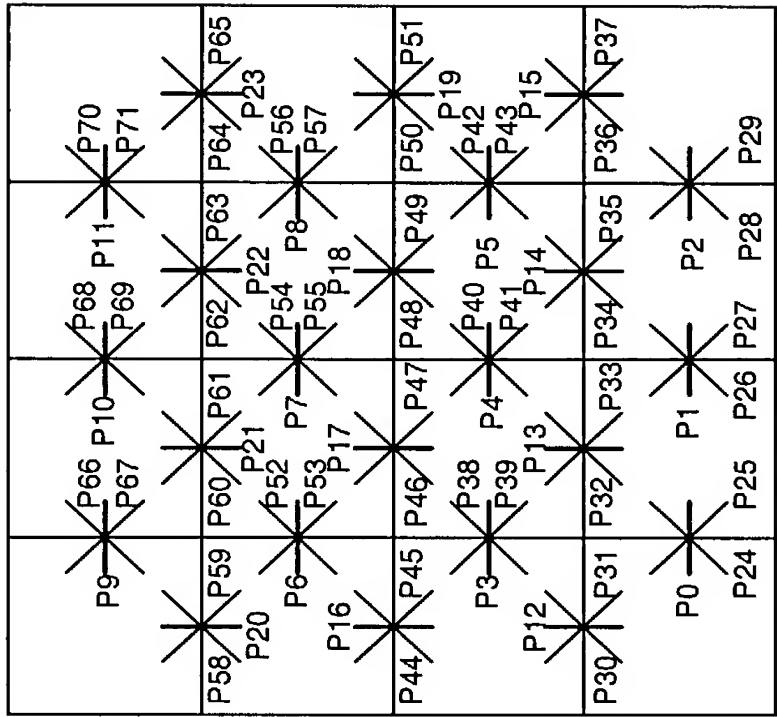


Figure 14

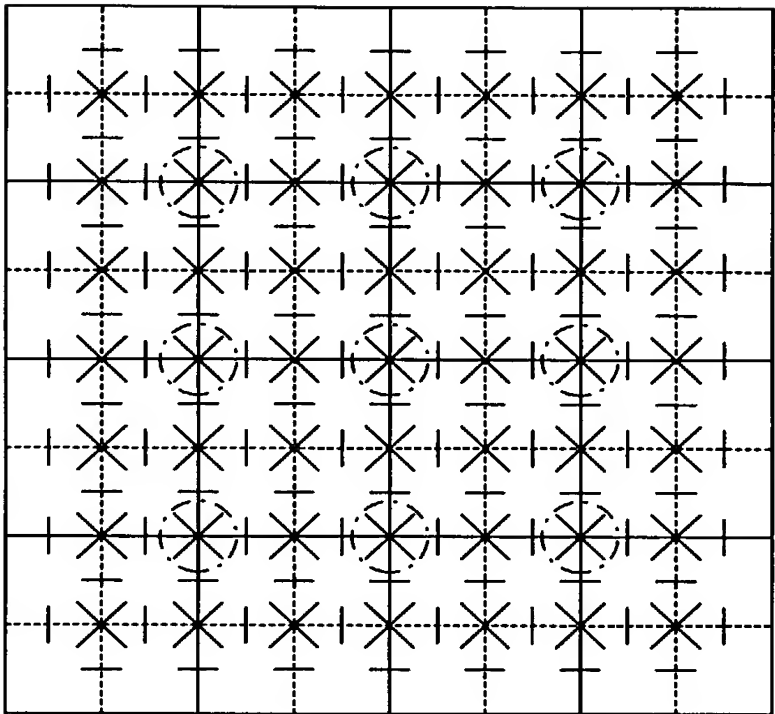


Figure 17

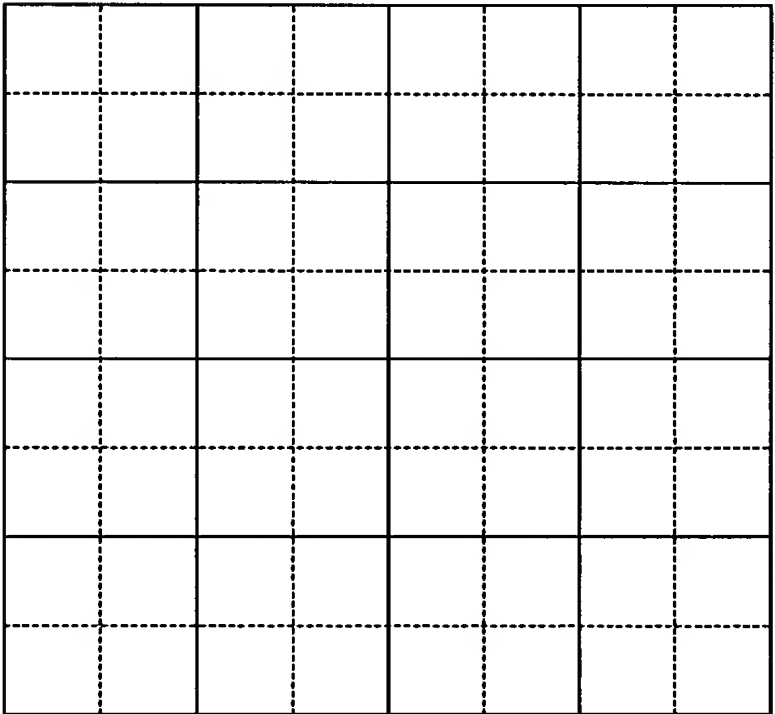


Figure 15



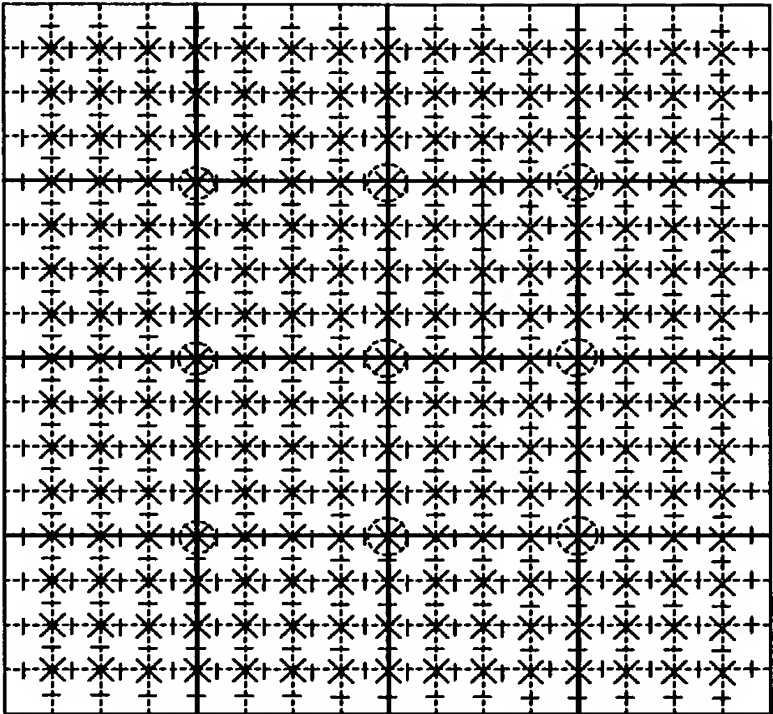


Figure 18

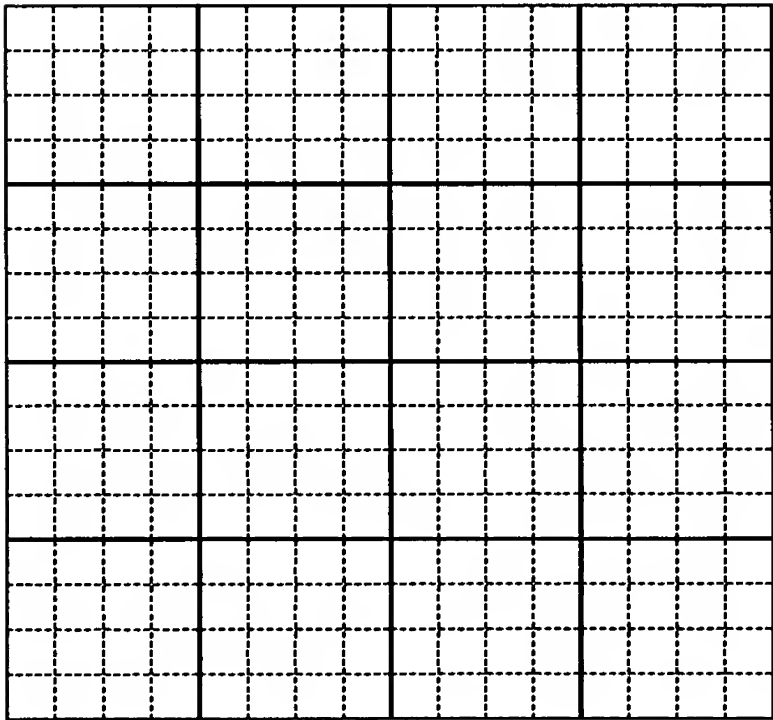
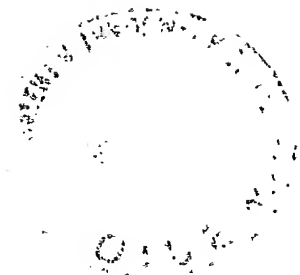
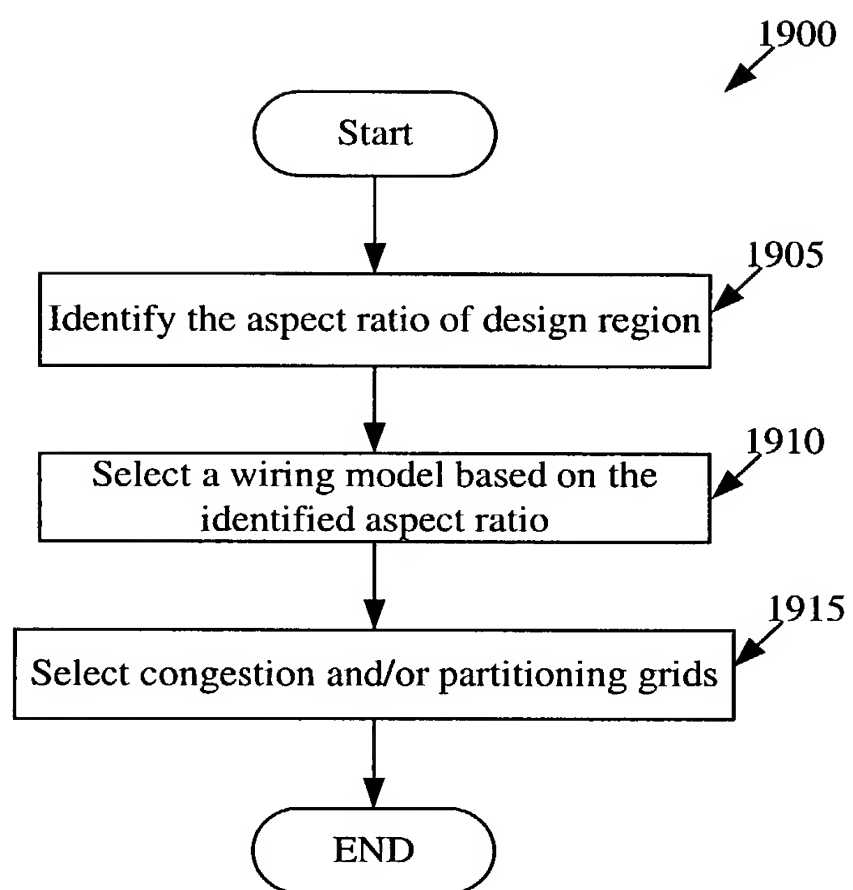


Figure 16





***Figure 19***

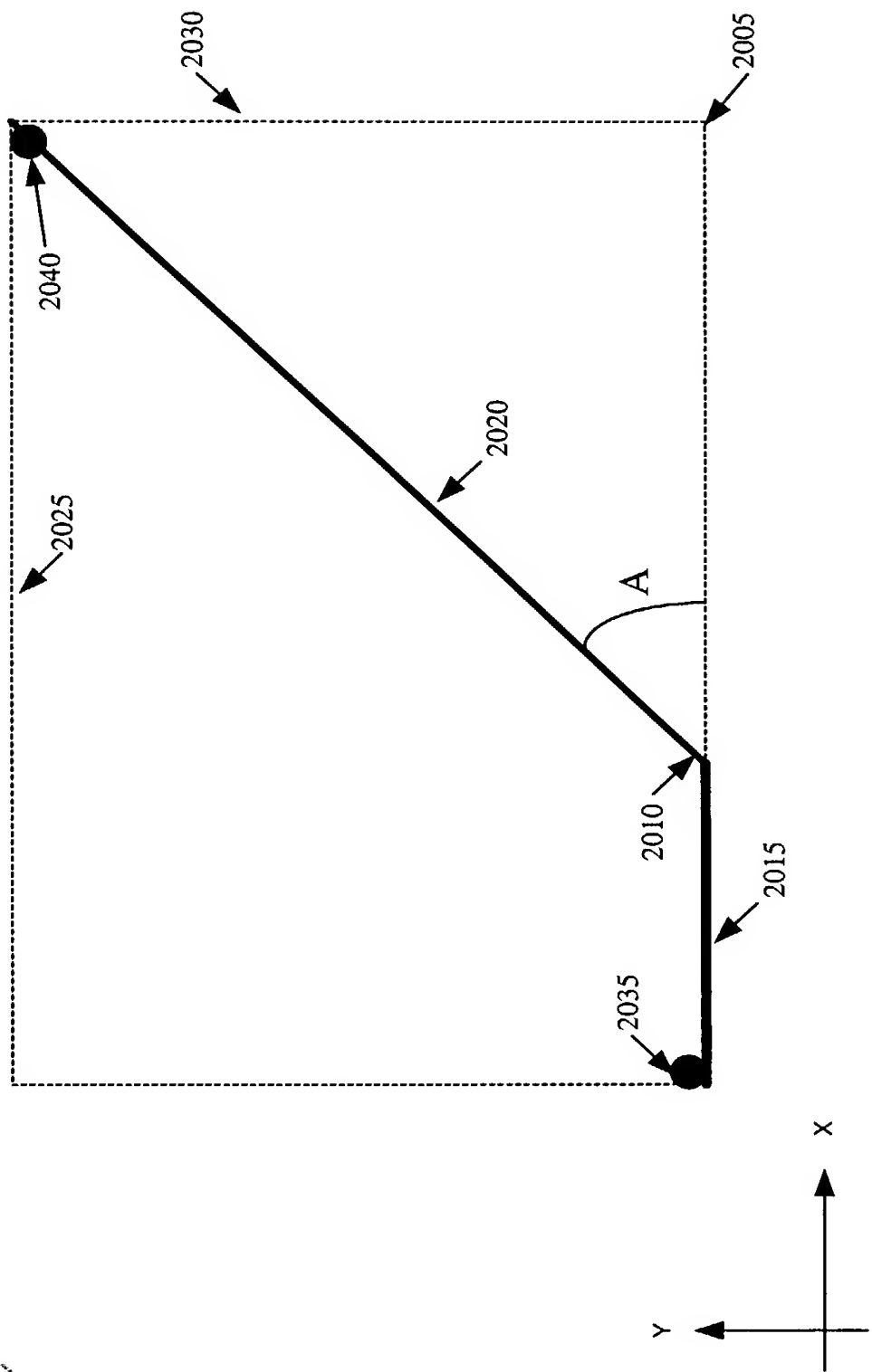
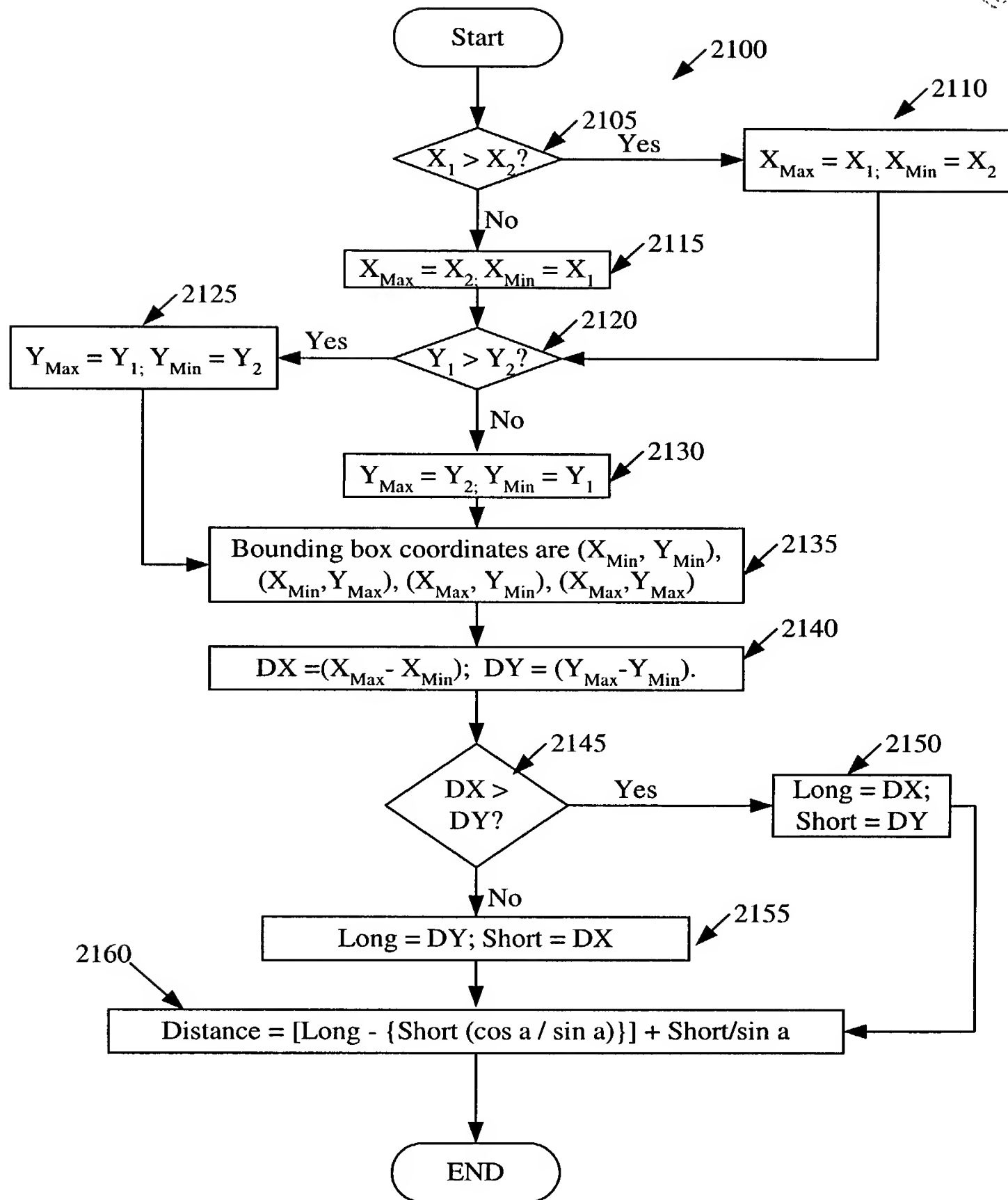
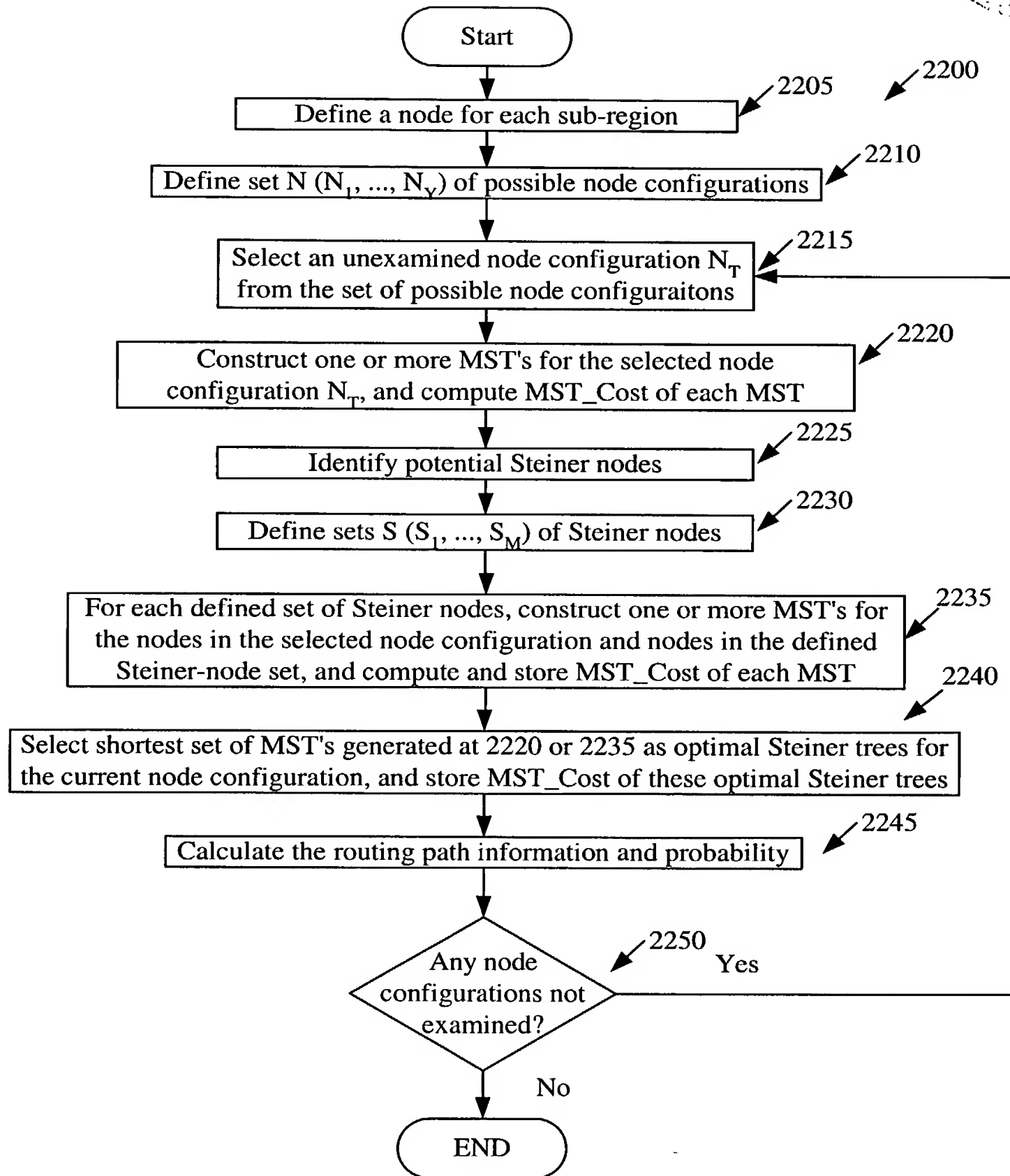
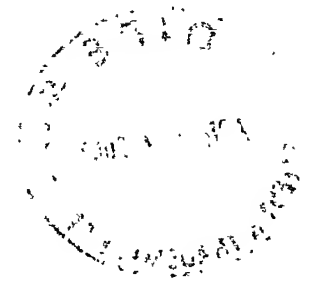


Figure 20





**Figure 21**



**Figure 22**

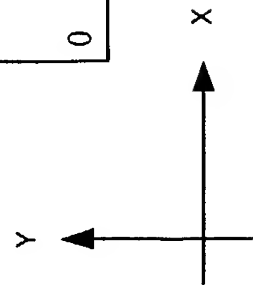
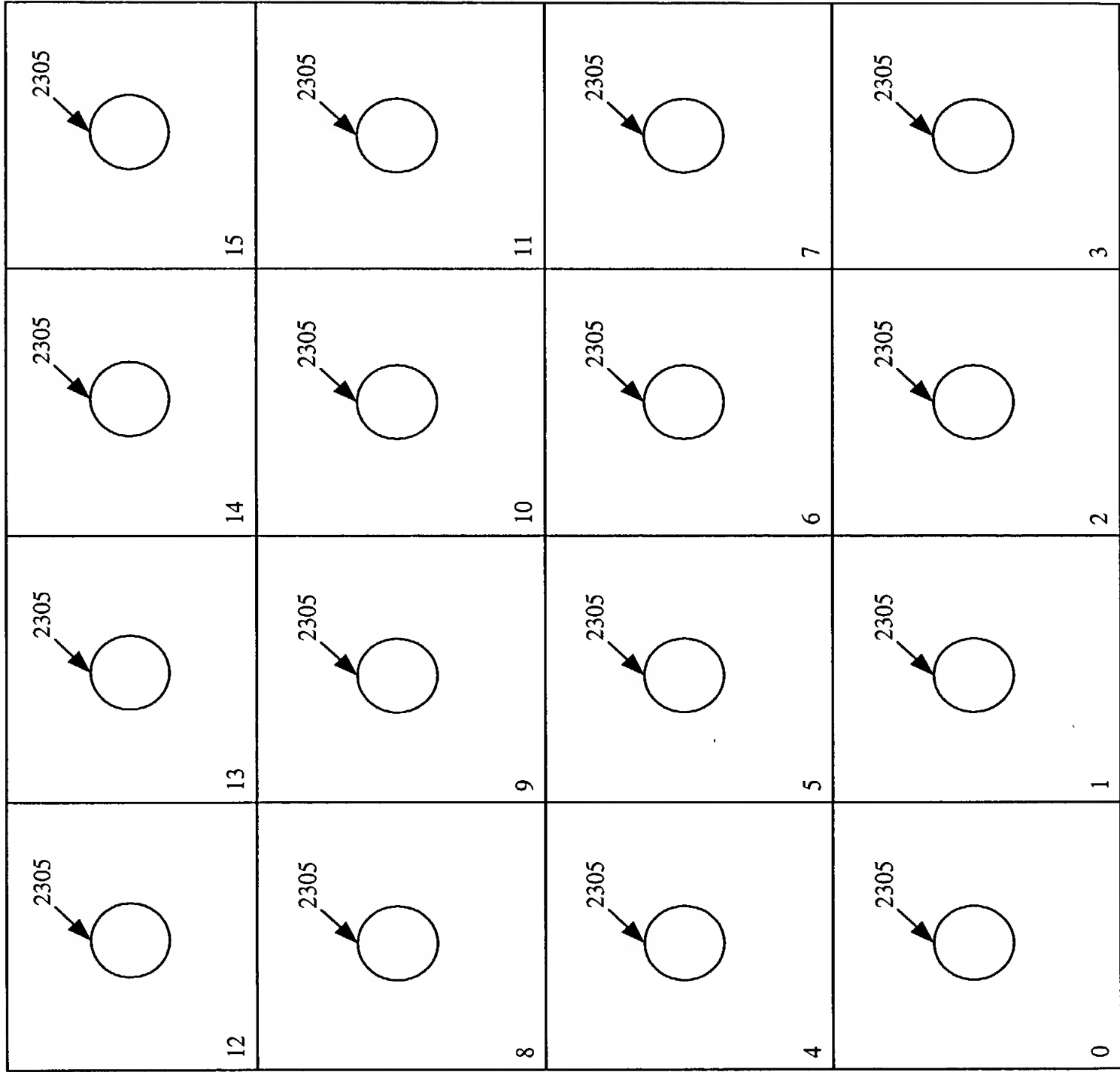
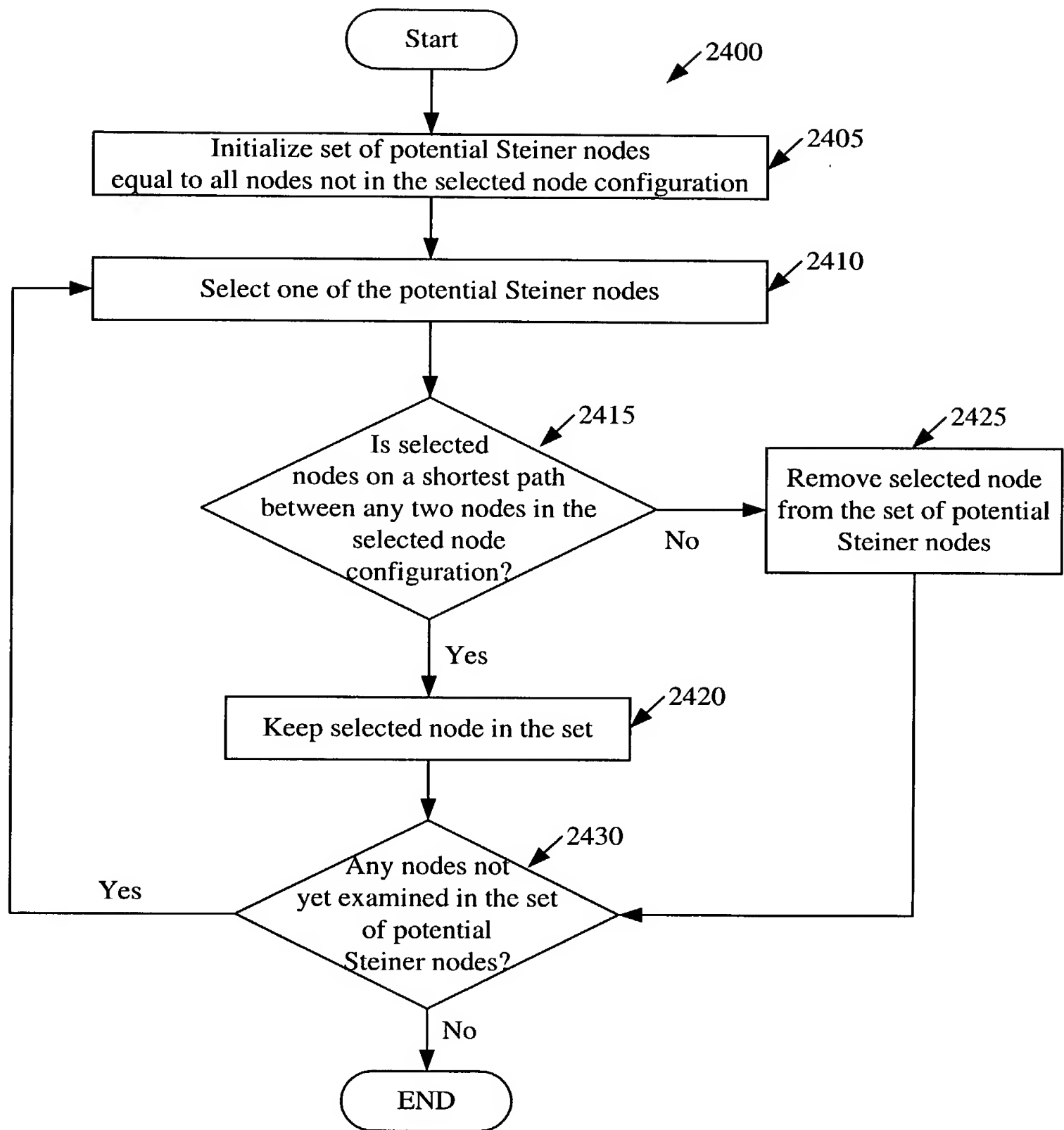
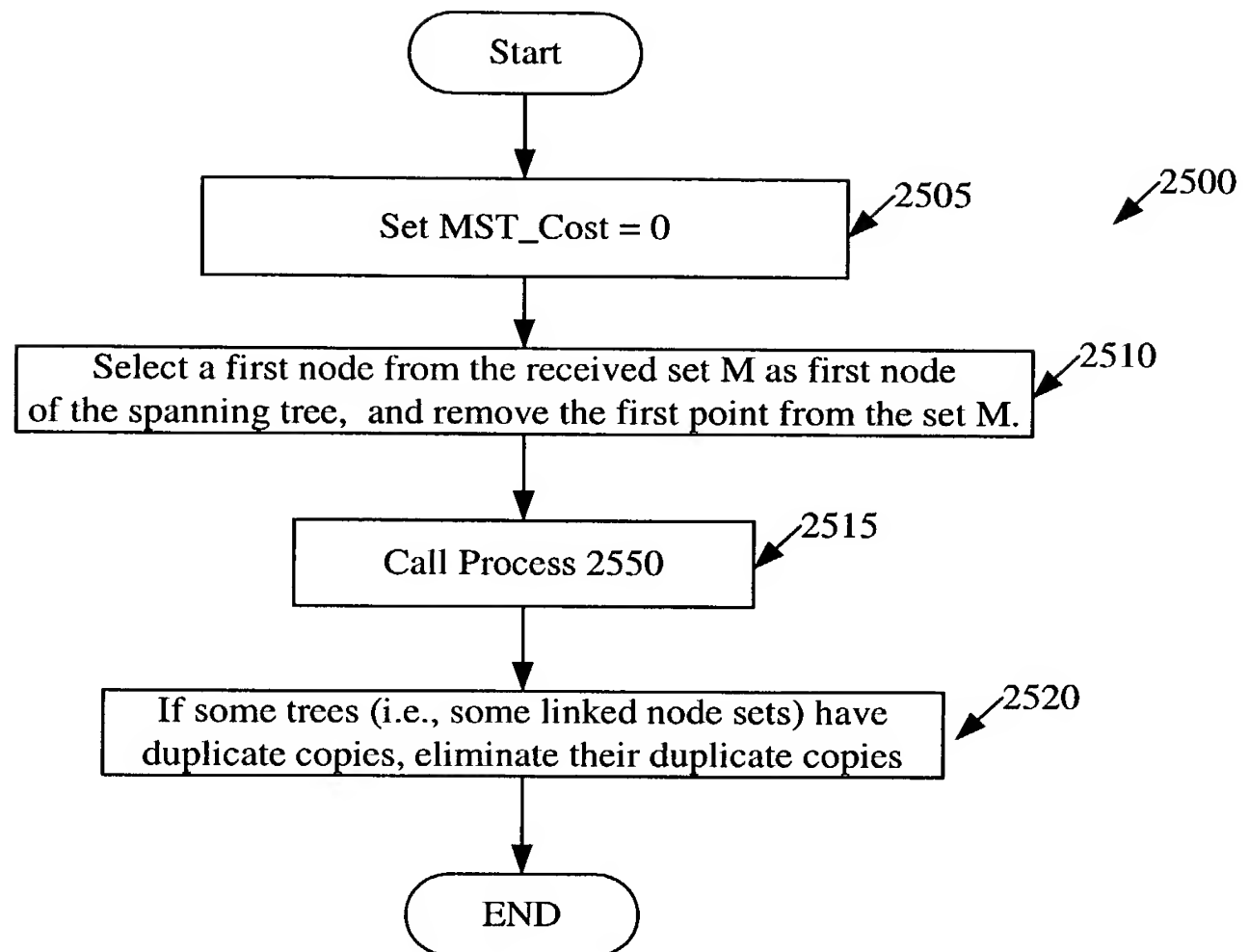


Figure 23

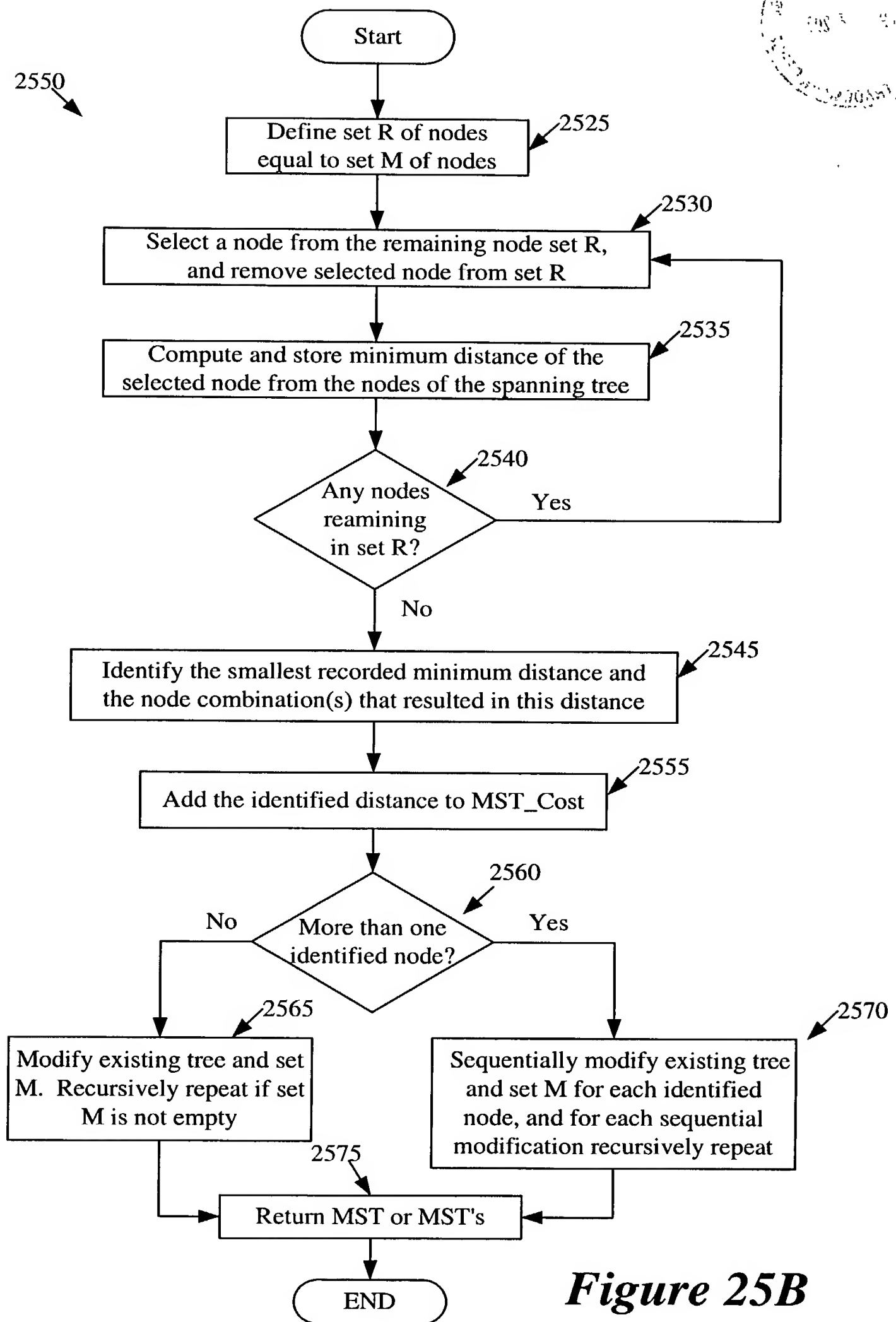


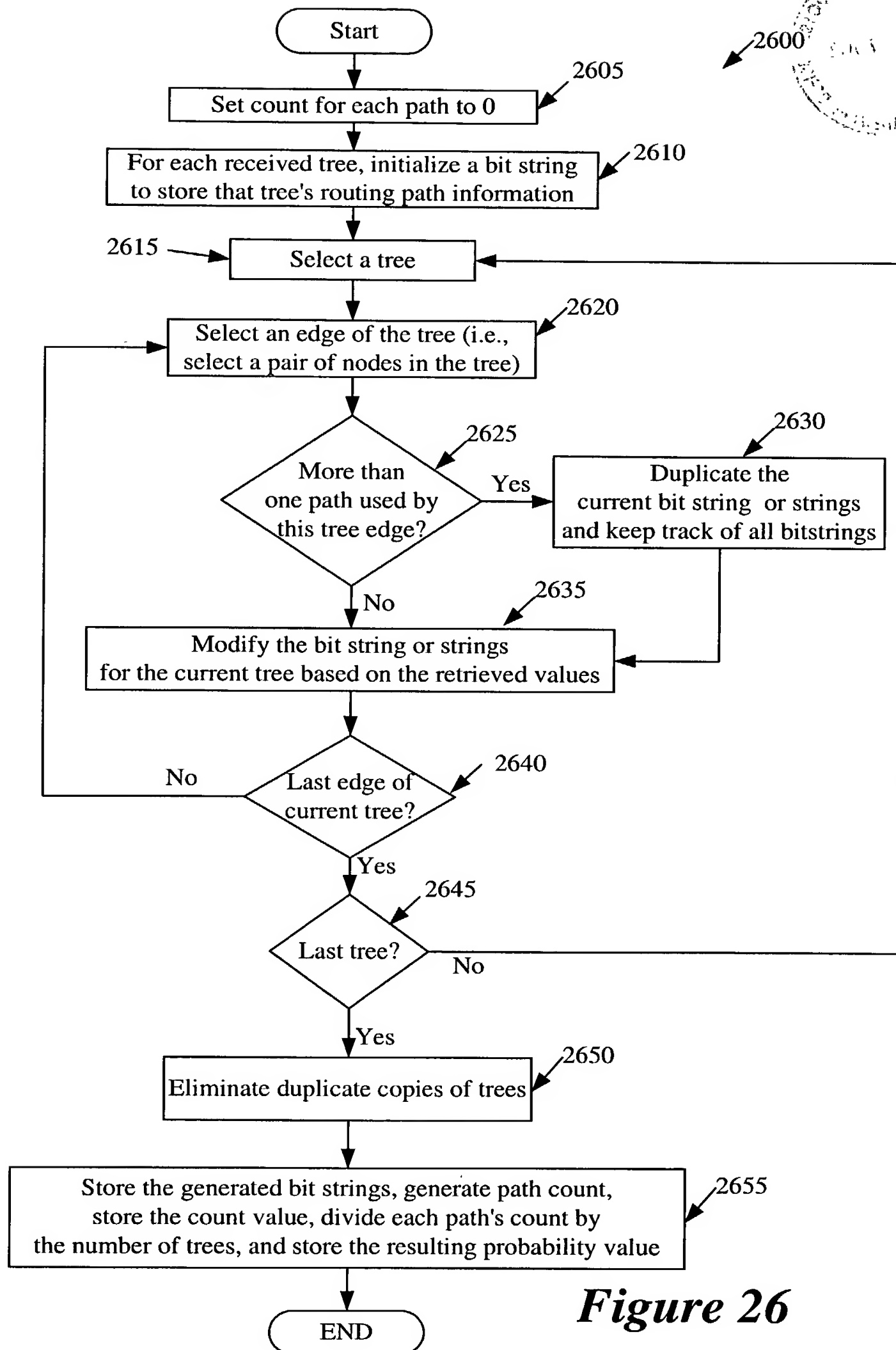


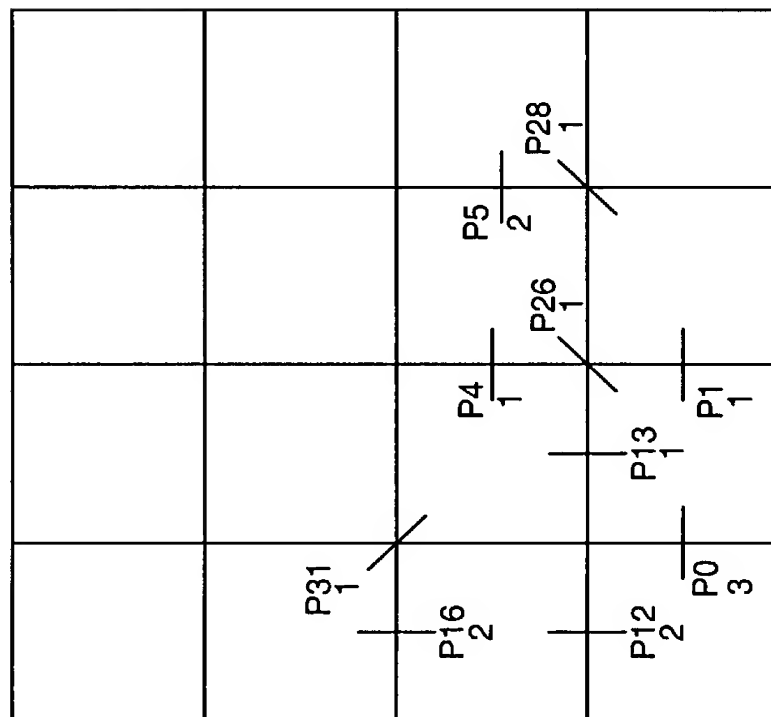
**Figure 24**



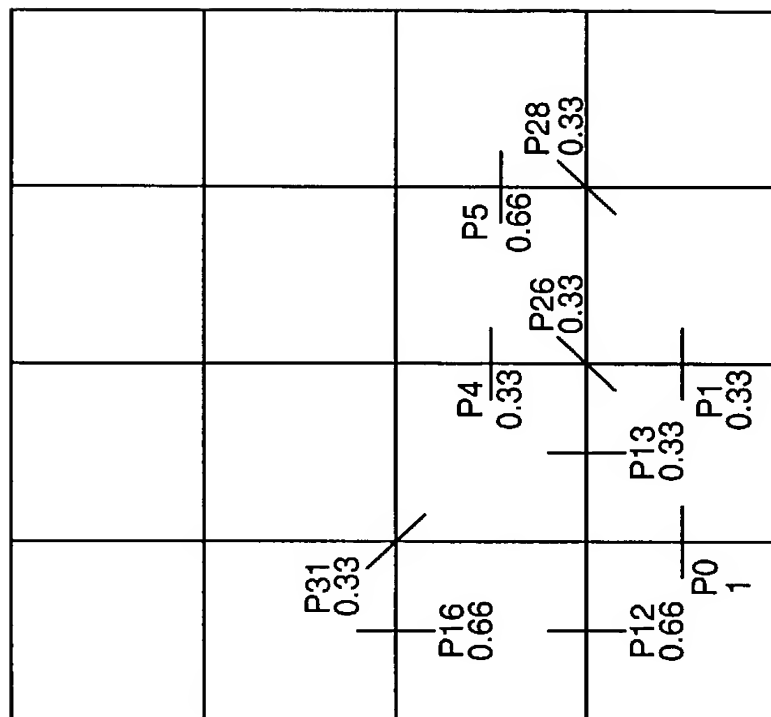
**Figure 25A**

**Figure 25B**

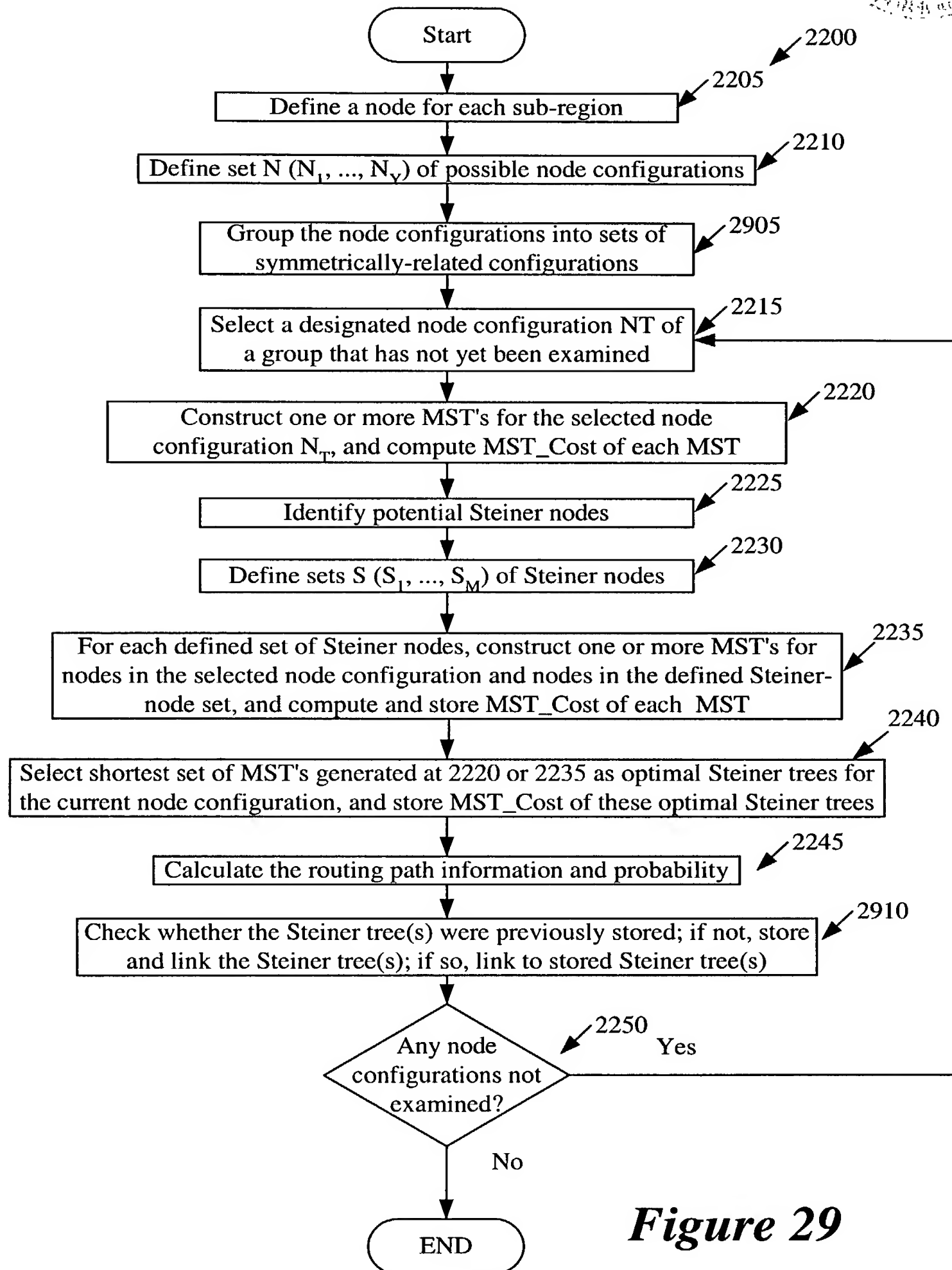
**Figure 26**



**Figure 27**



**Figure 28**

**Figure 29**

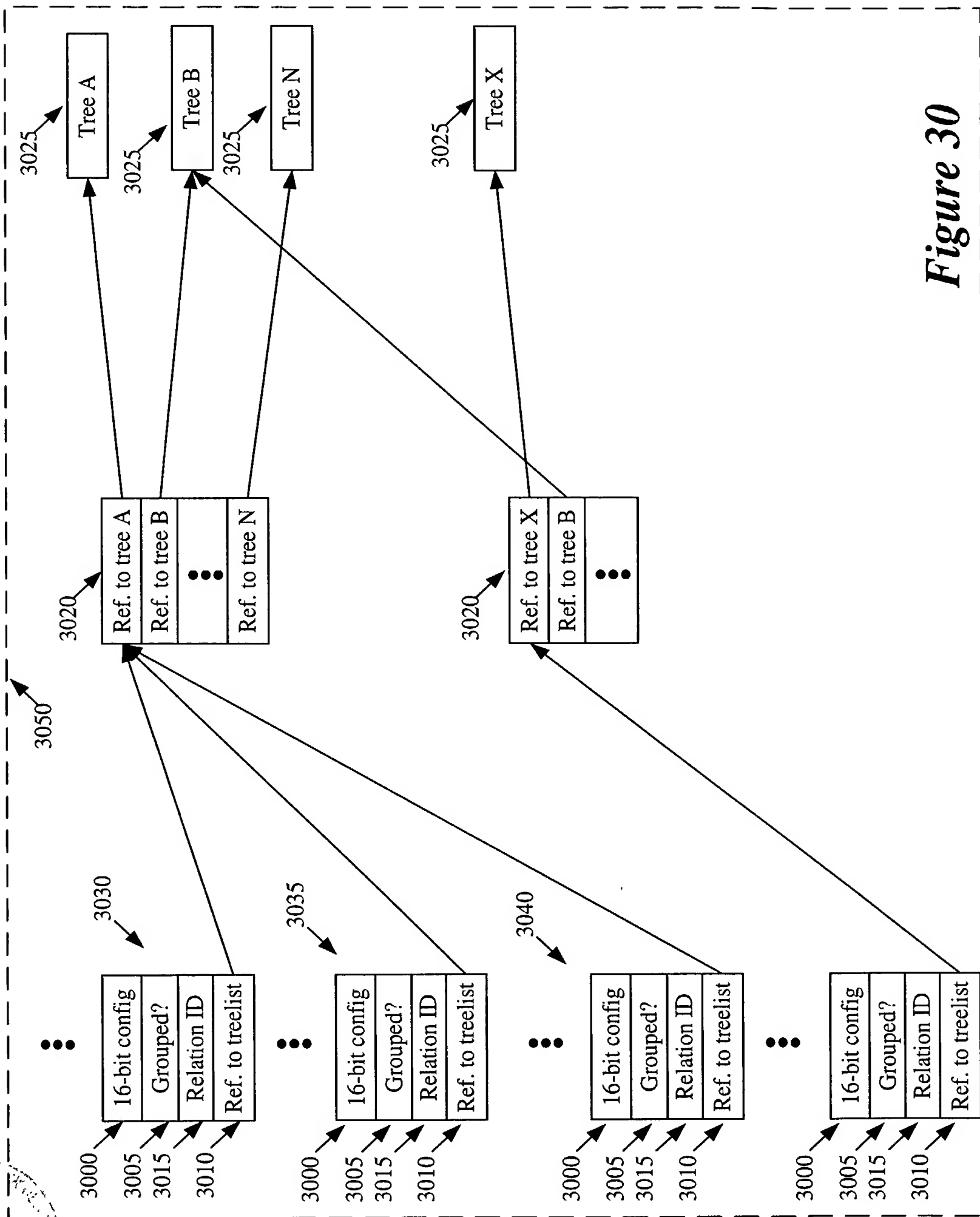
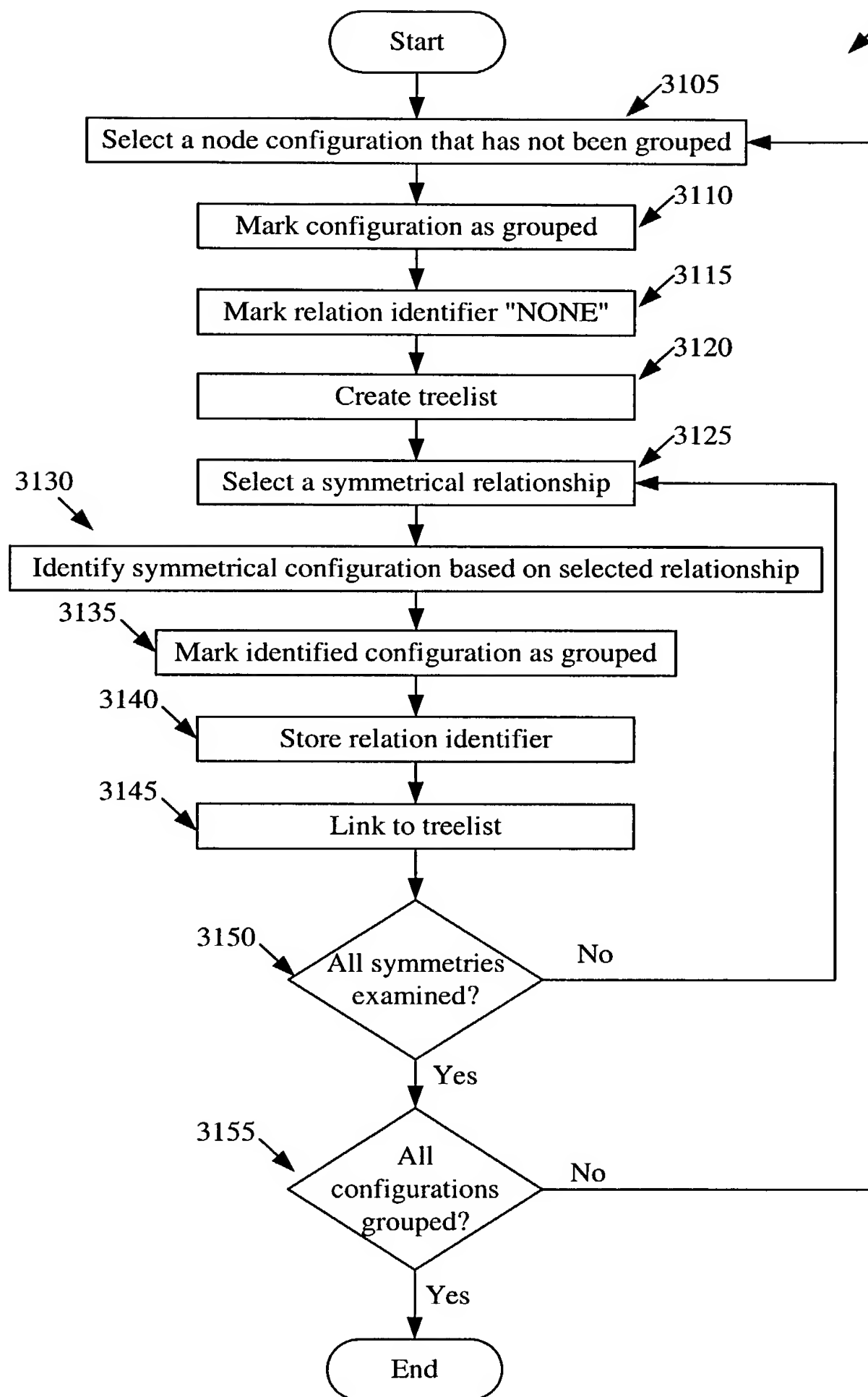
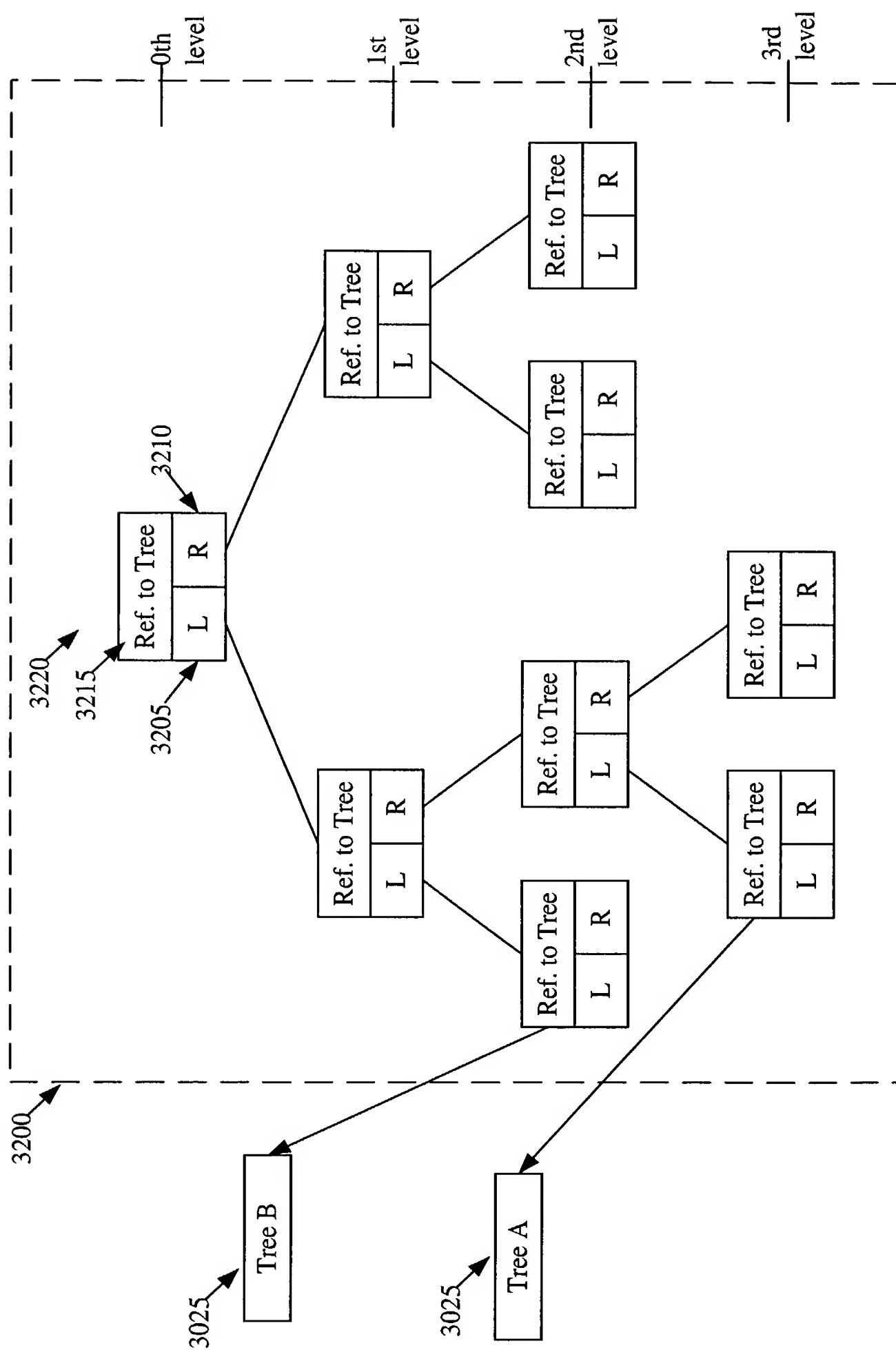


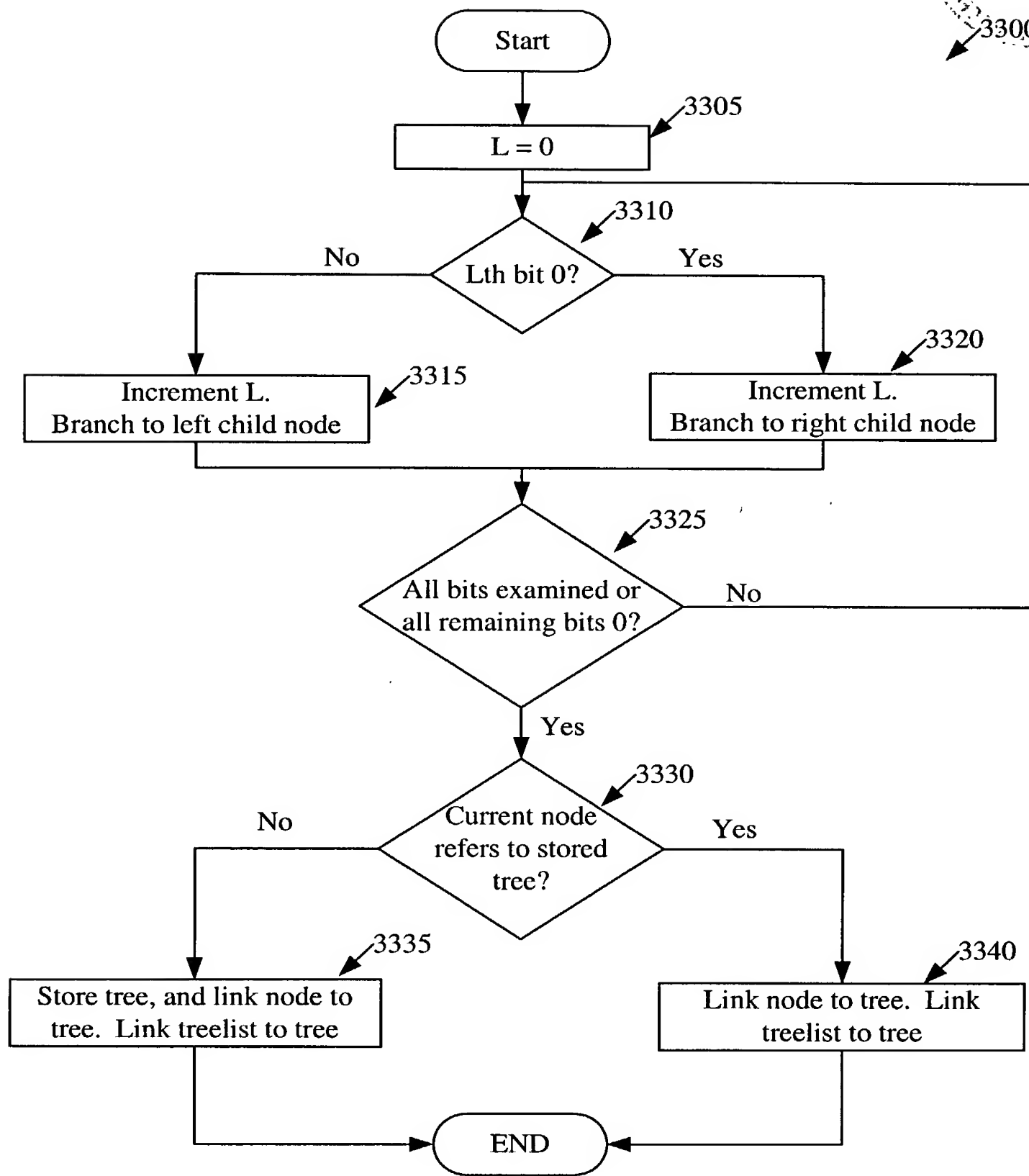
Figure 30

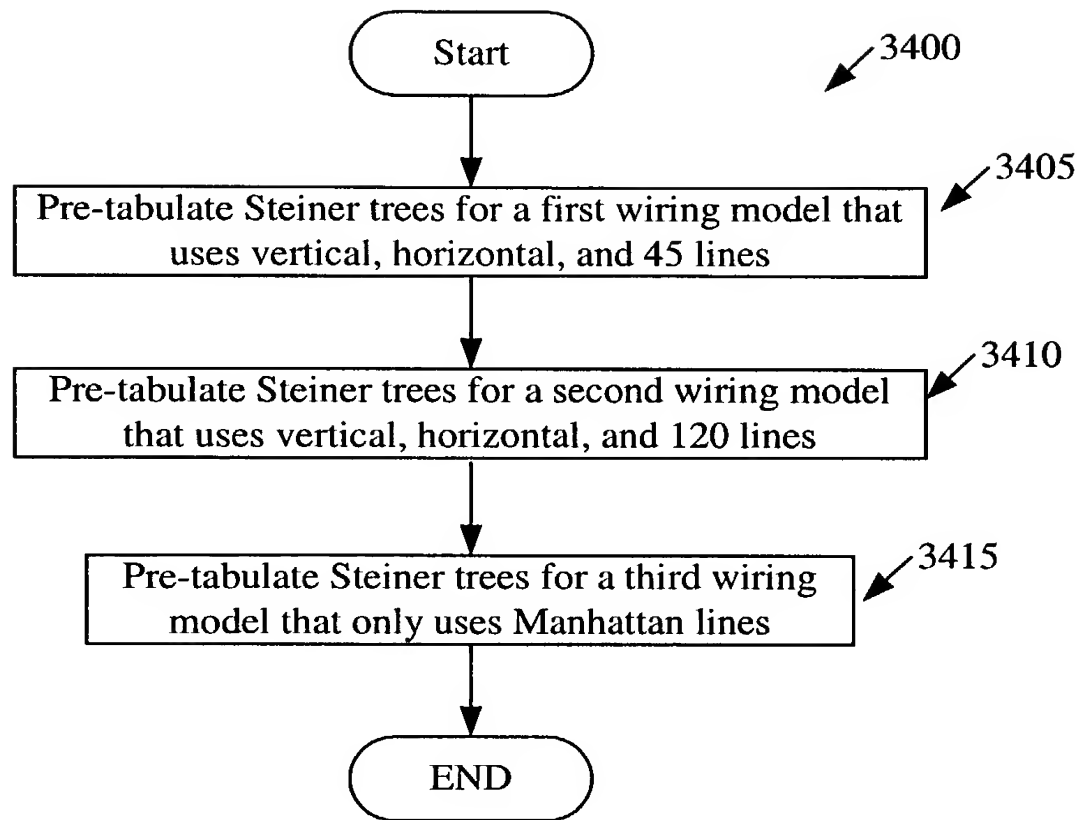
**Figure 31**





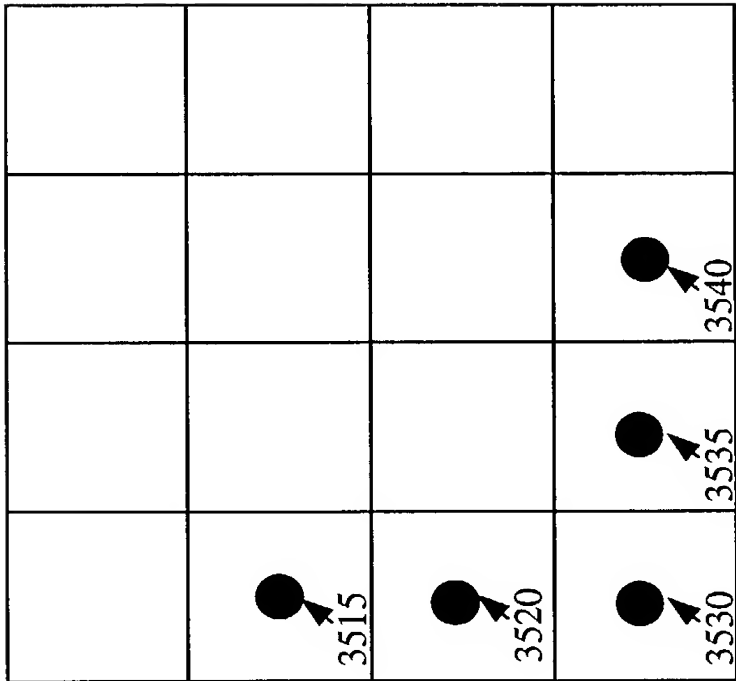
**Figure 32**

**Figure 33**



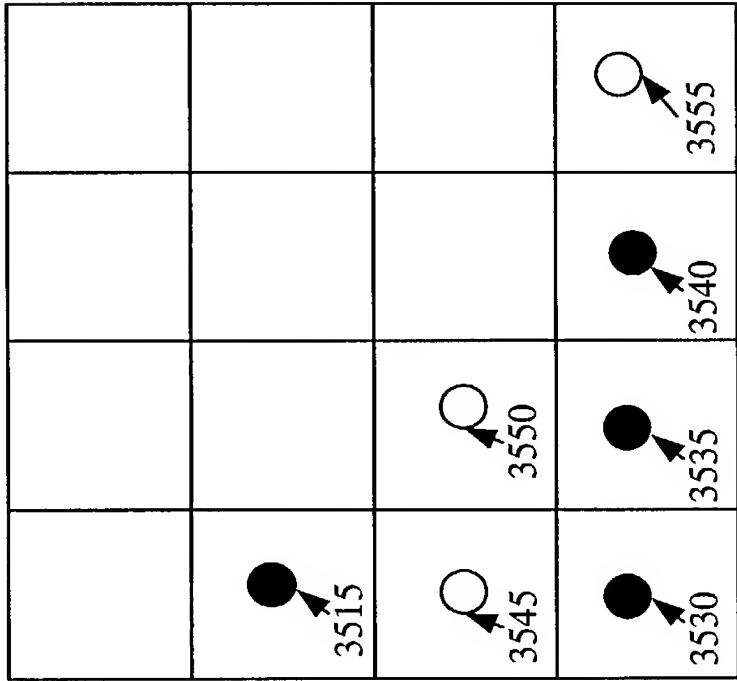
**Figure 34**

Figure 35A

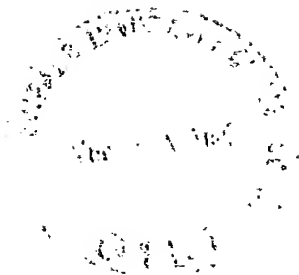


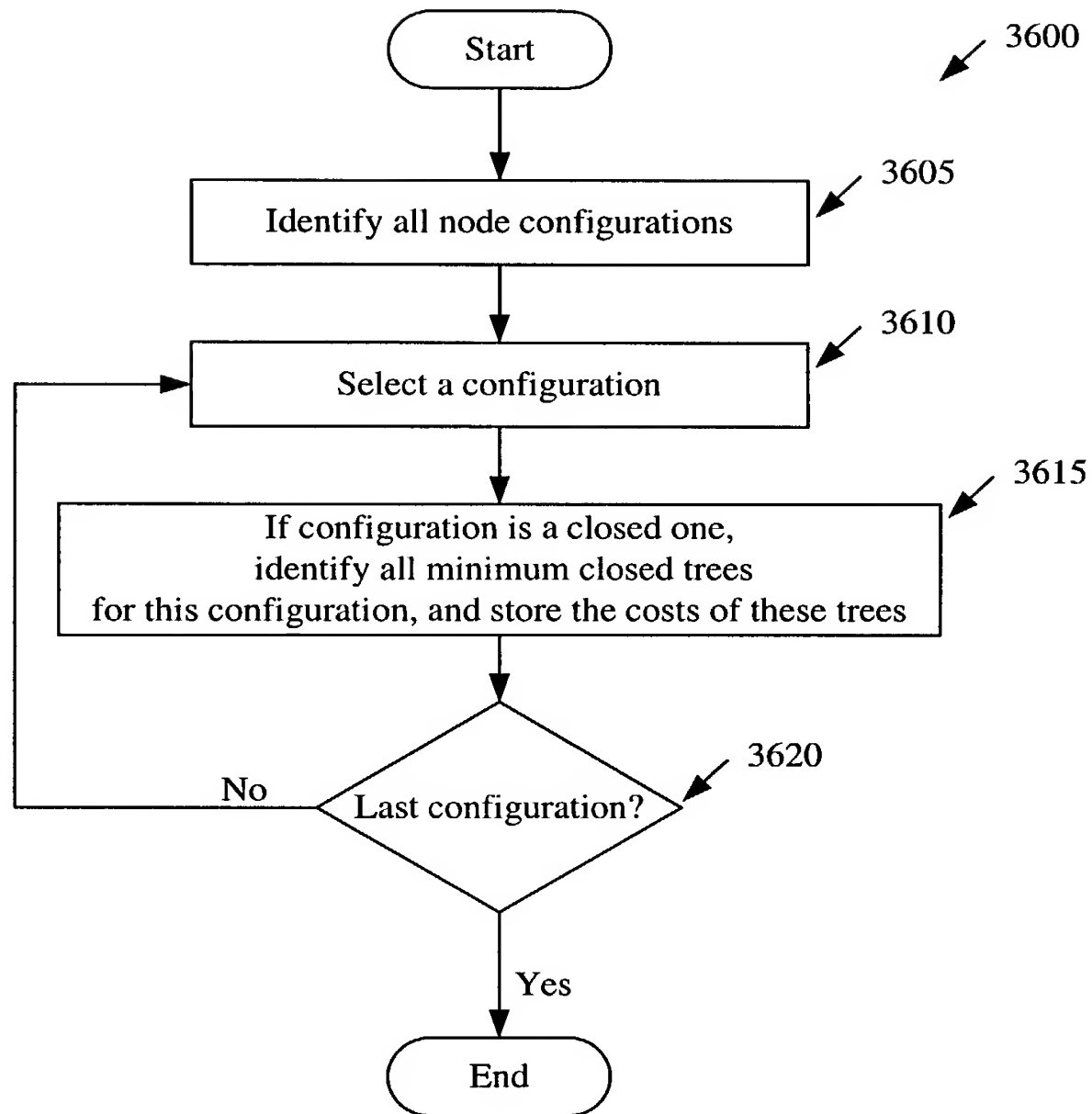
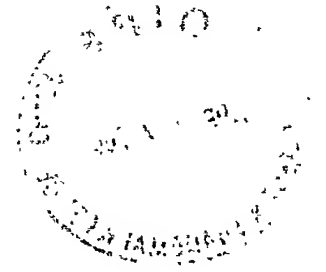
3505

Figure 35B

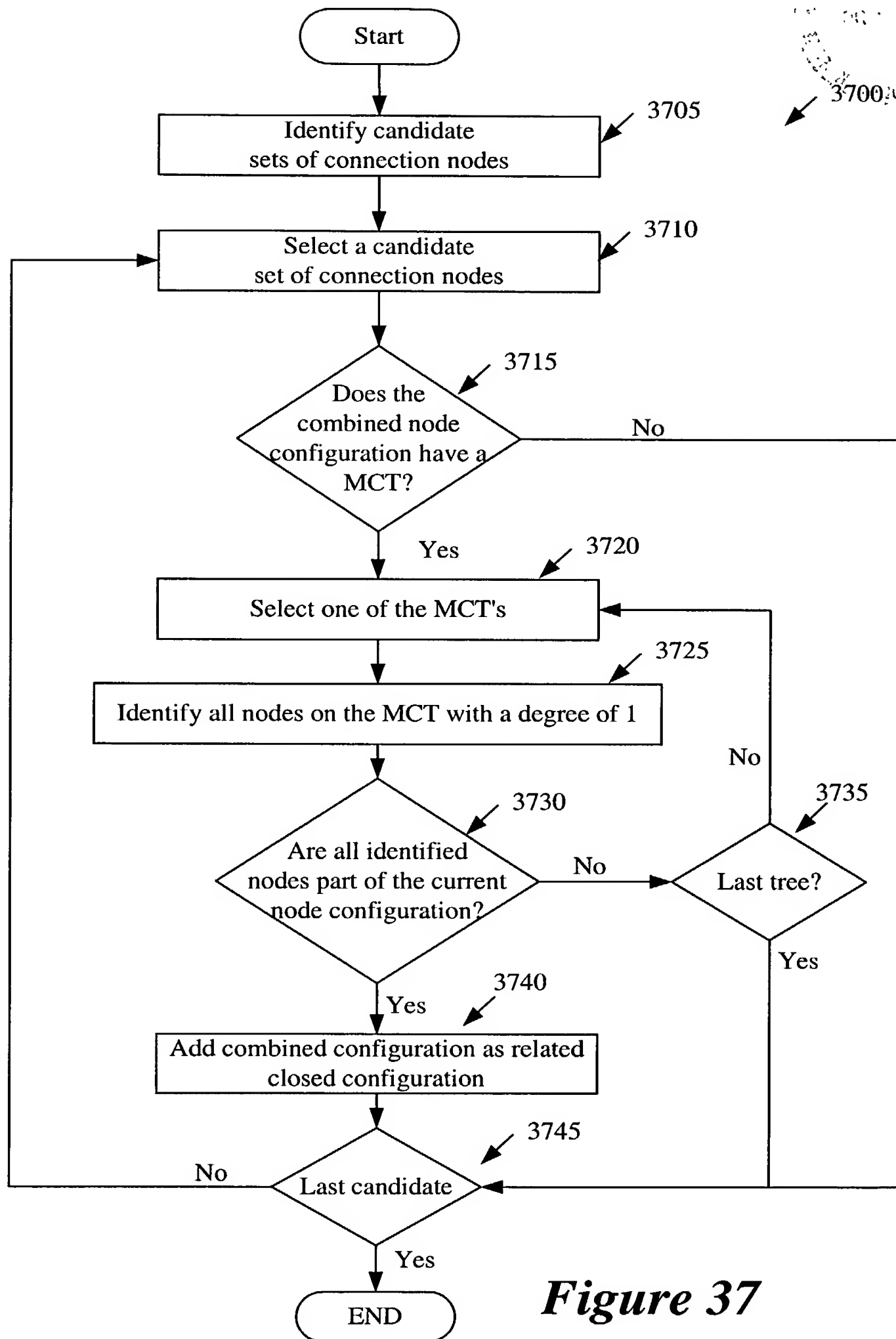


3510

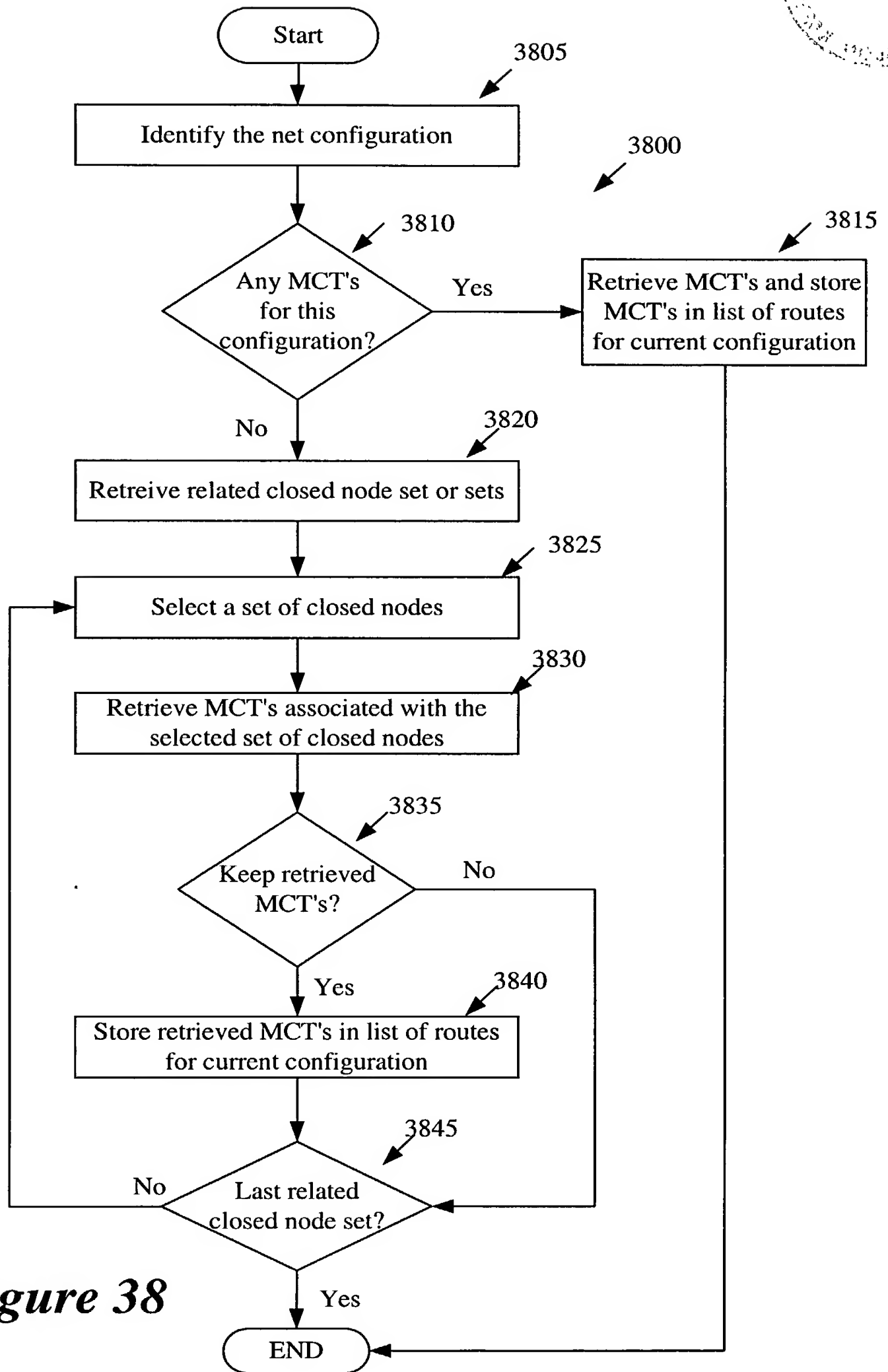




**Figure 36**



**Figure 37**

**Figure 38**

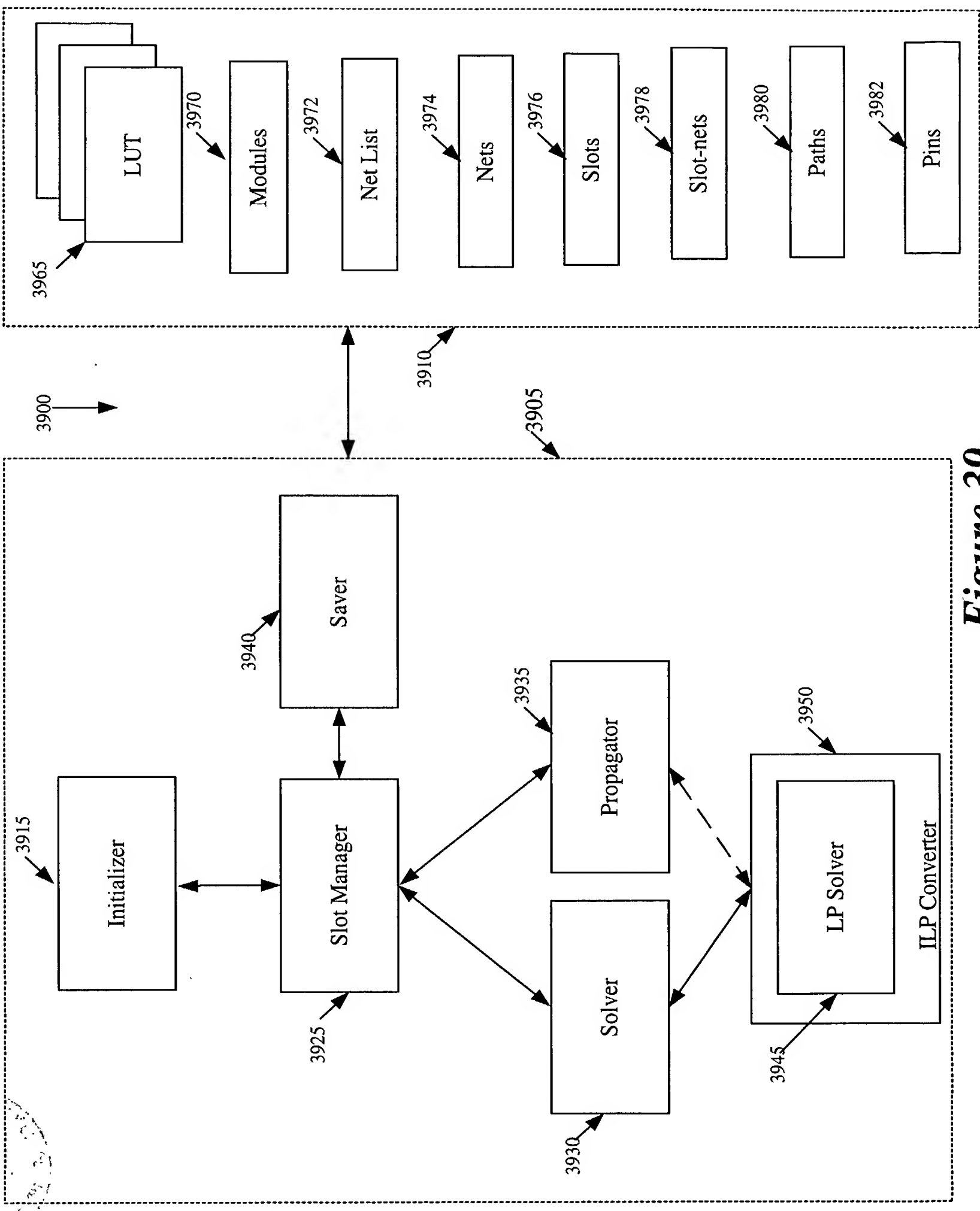


Figure 39



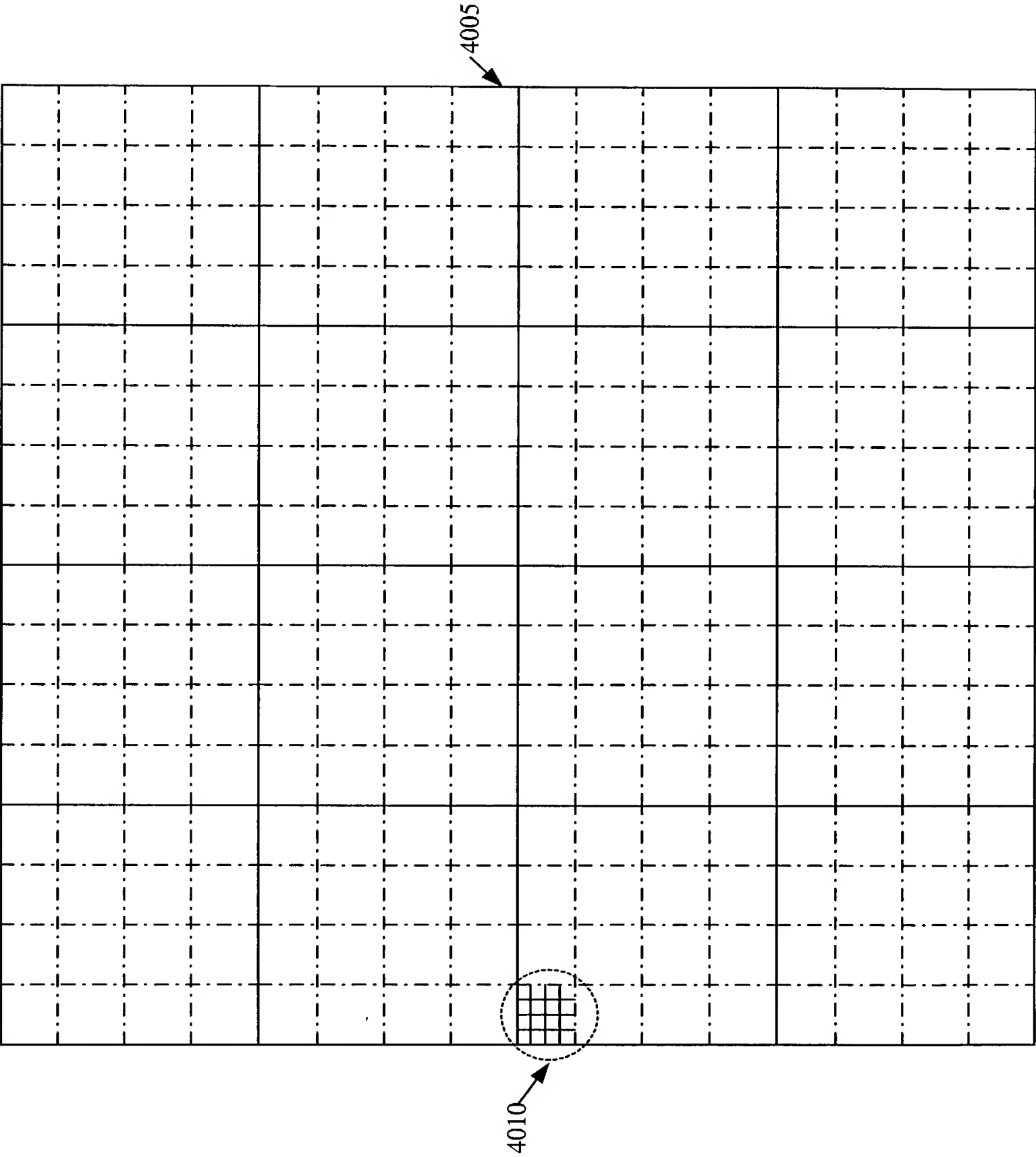


Figure 40

100373418 041702

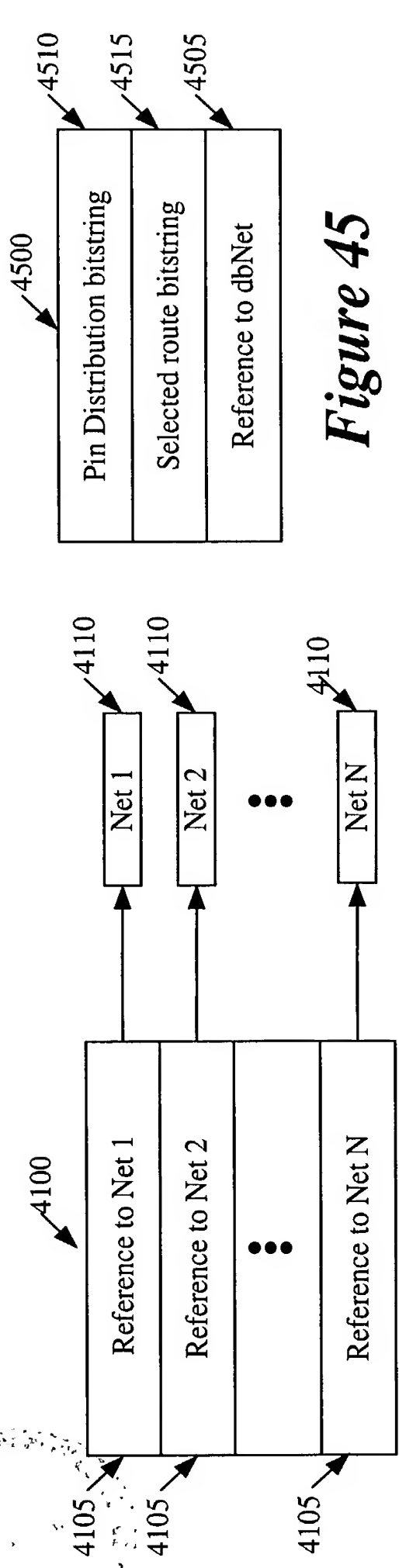
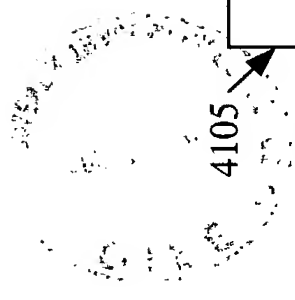


Figure 45

Pin Distribution bitstring	4510
Selected route bitstring	4515
Reference to dbNet	4505

Figure 41

Index	4205
Reference to Pin 1	4210
...	
Reference to Pin M	
Reference to Path 1	4220
...	
Reference to Path N	

Figure 42

Path type (H, V, E, W)	4405
Path Id (1-42)	4410
Reference to net	4415
Reference to first slot incident to the path	4420
Reference to second slot incident to the path	4420

Figure 44

Location	4300
----------	------

Figure 43

Name	8000
Reference to dbNet	
Child-slot identifier	
Length	
List of paths	

Figure 80

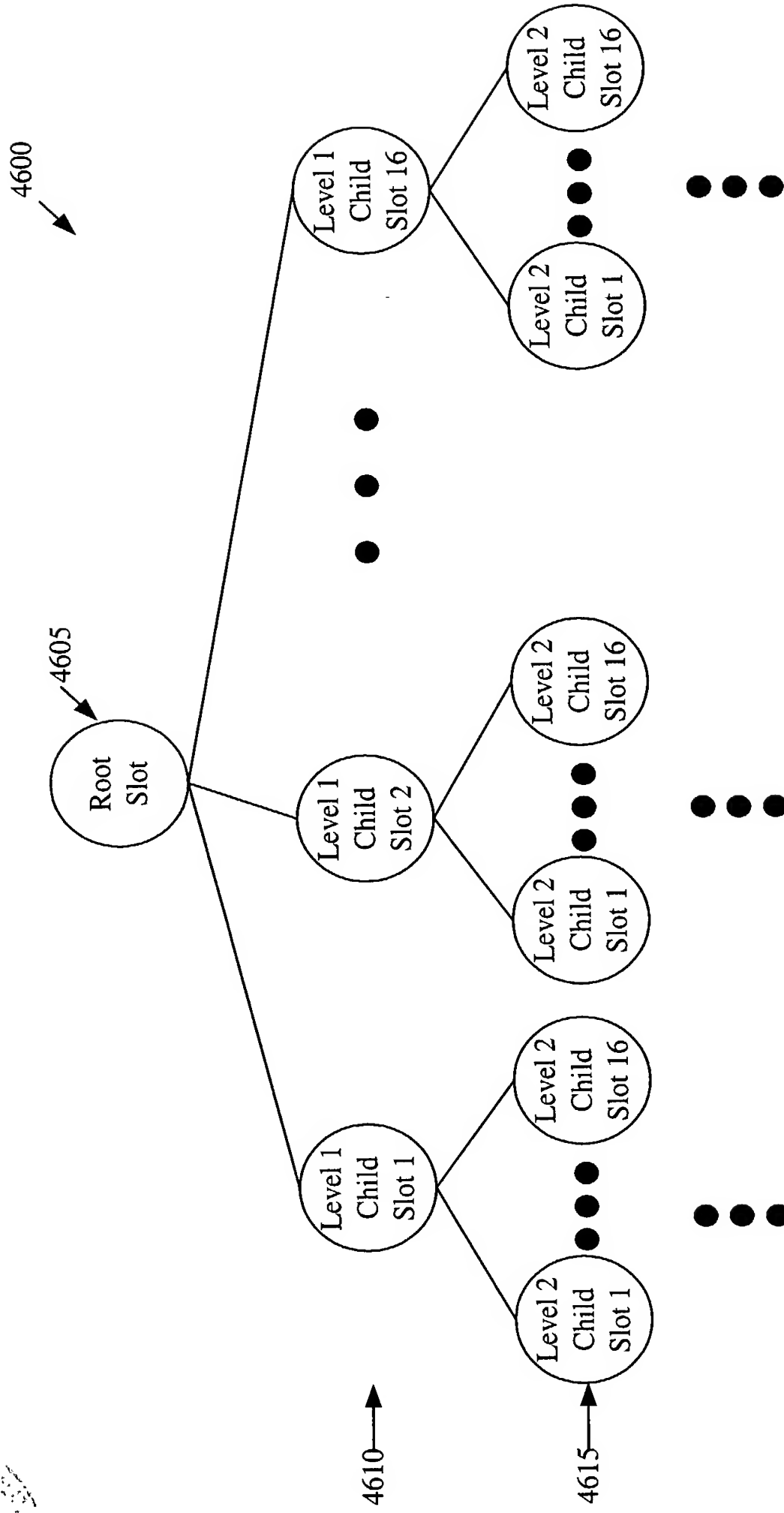


Figure 46

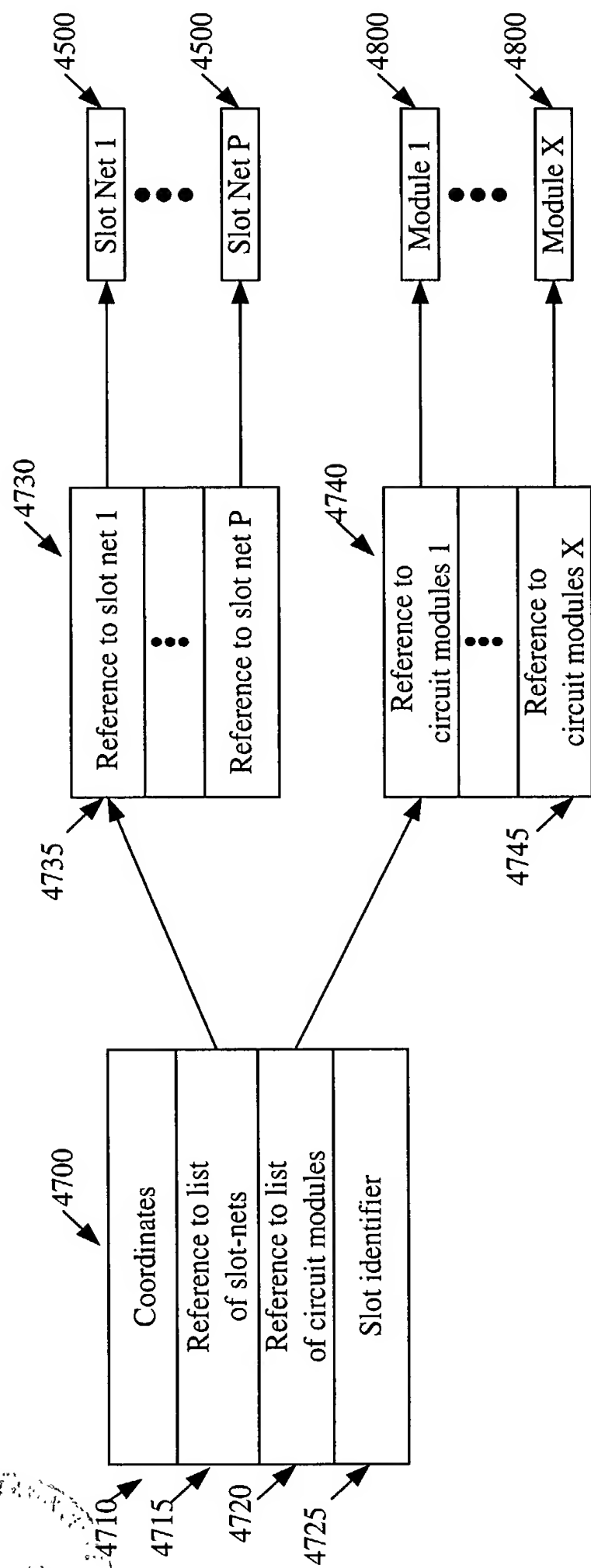


Figure 47

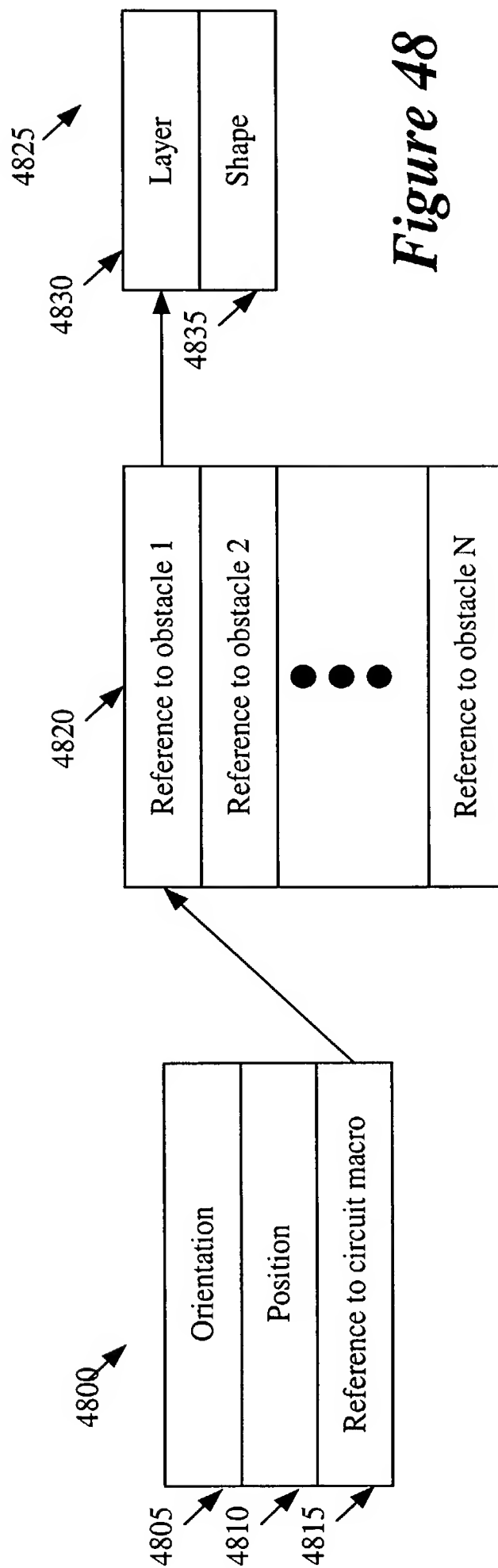
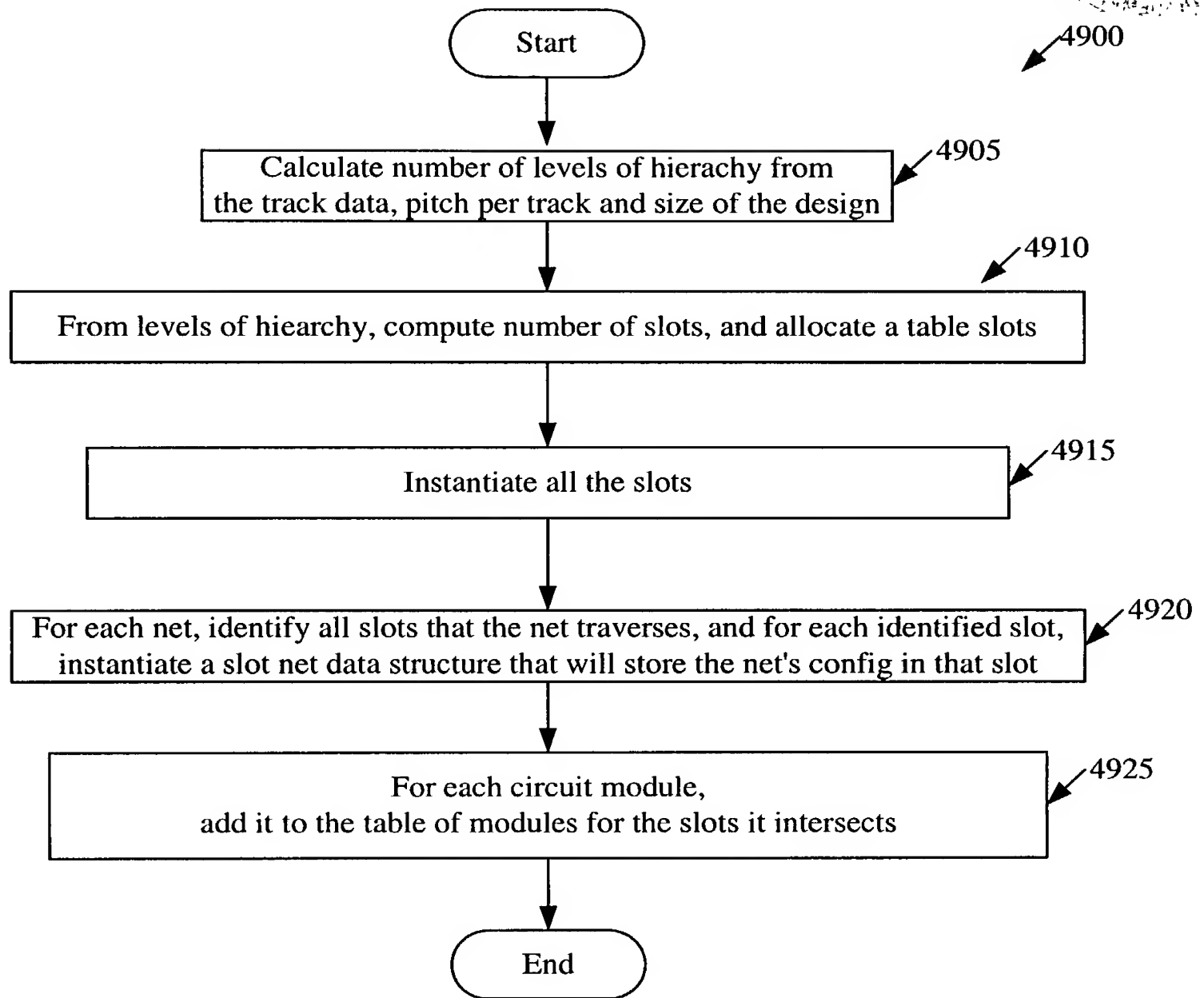
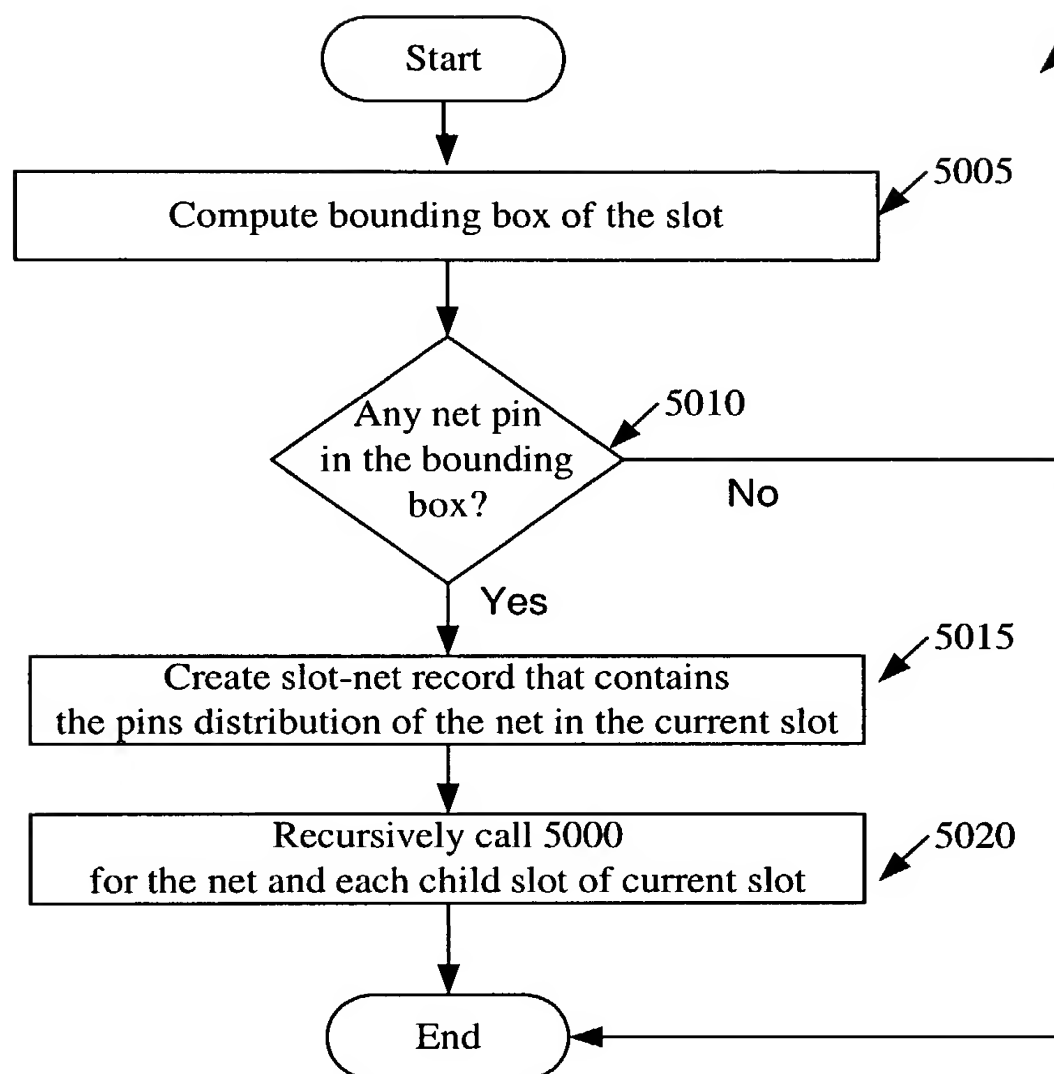


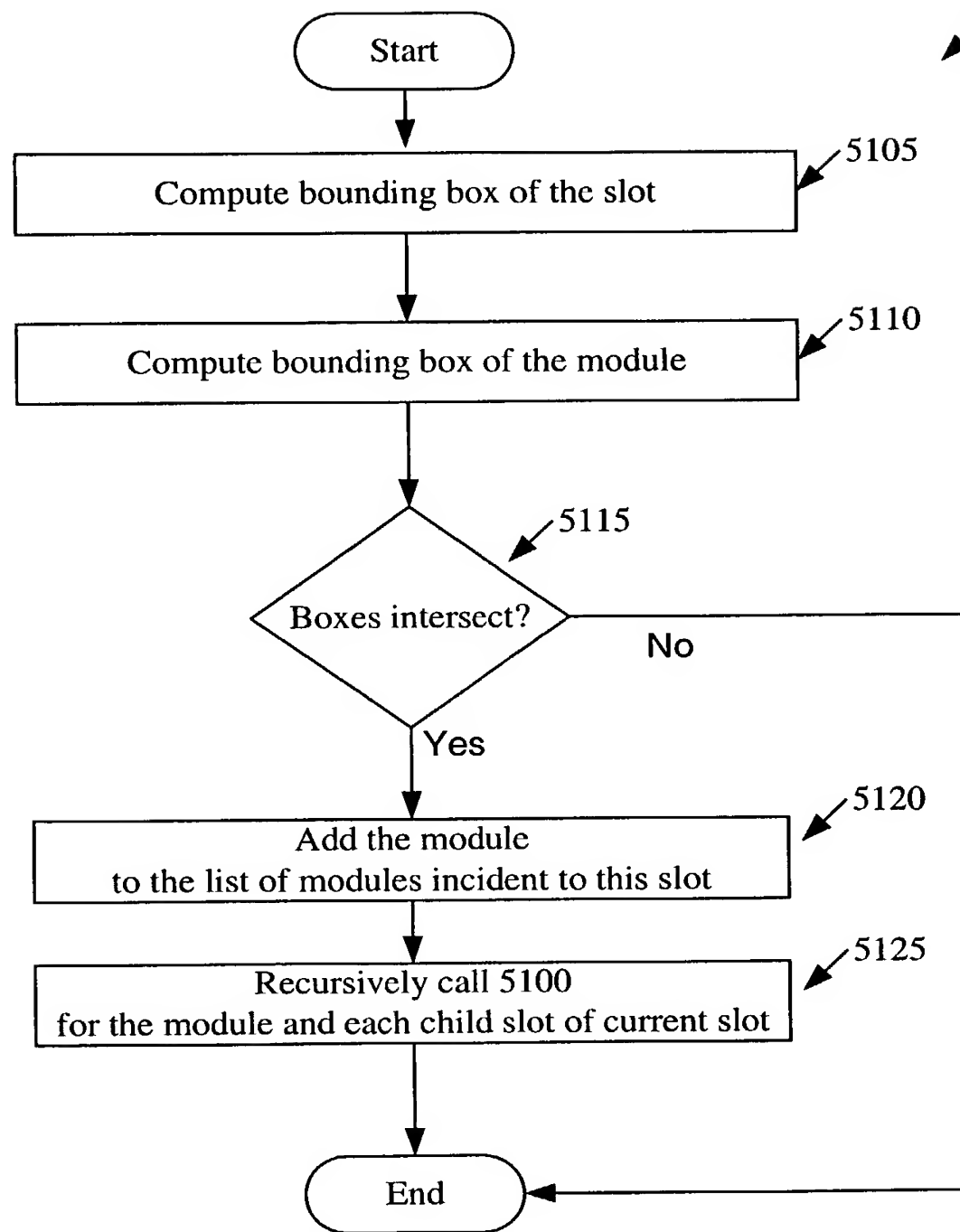
Figure 48



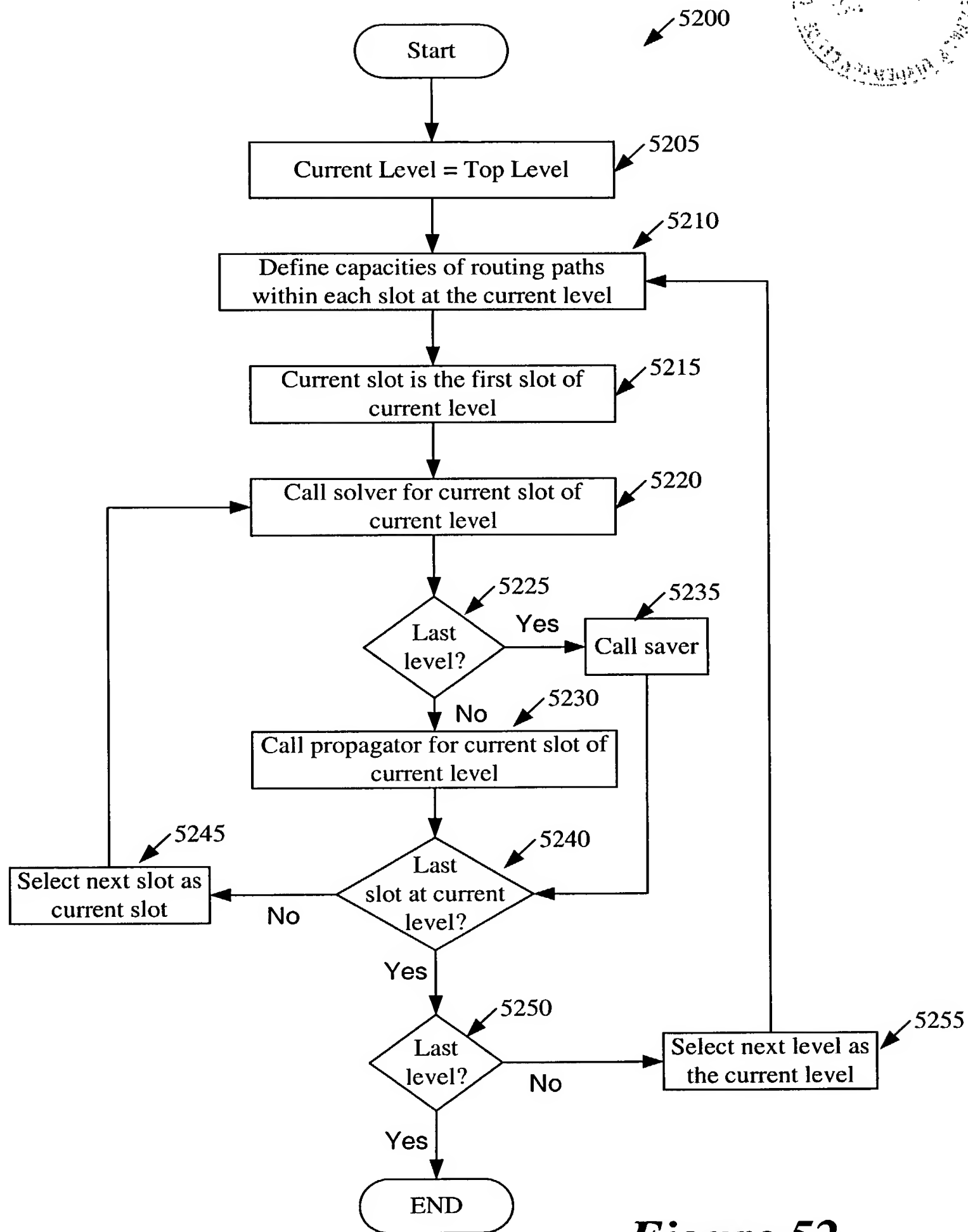
**Figure 49**



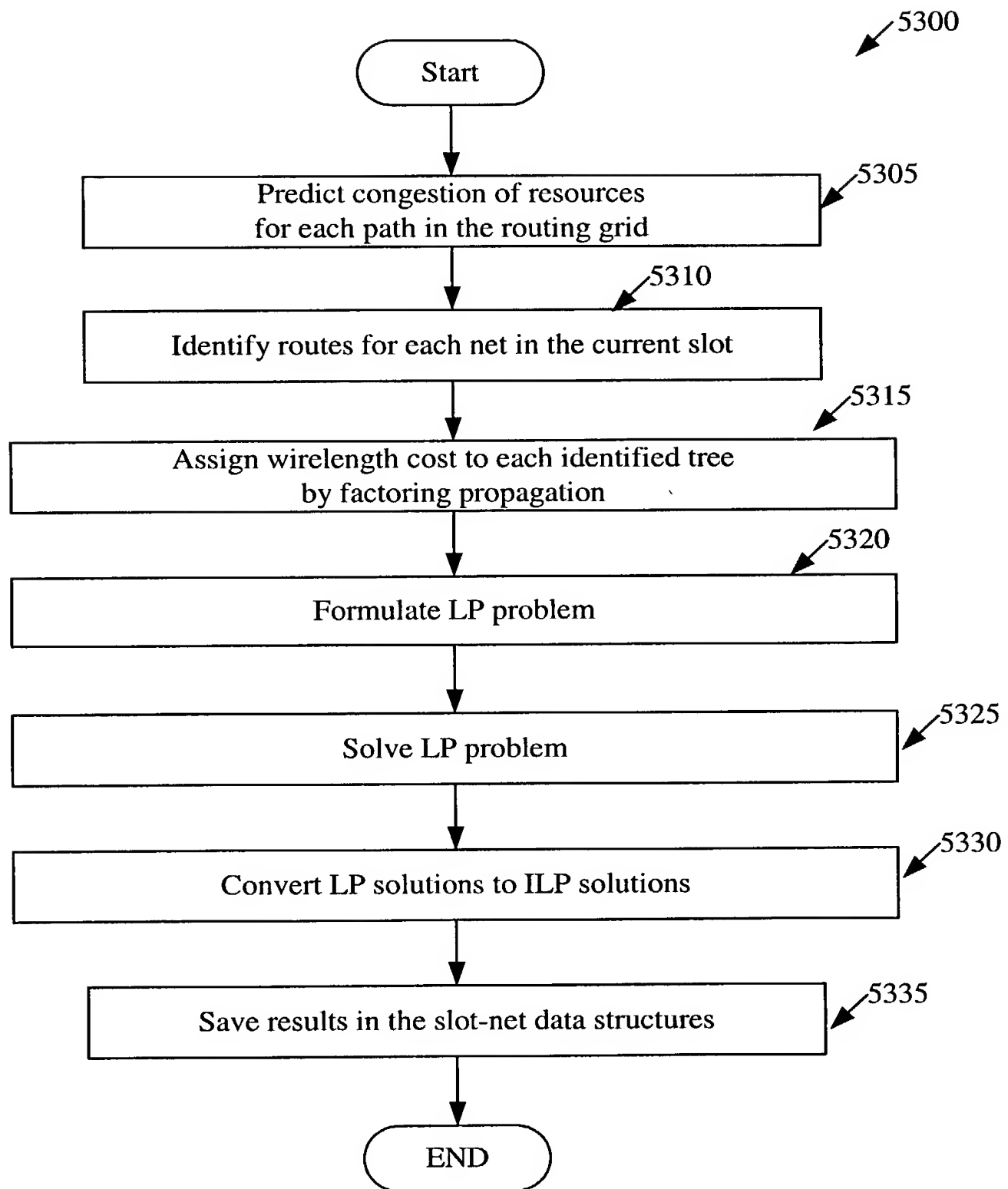
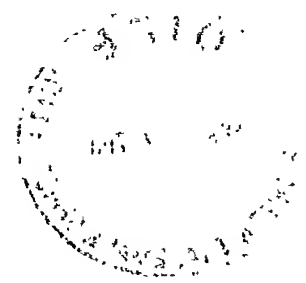
**Figure 50**



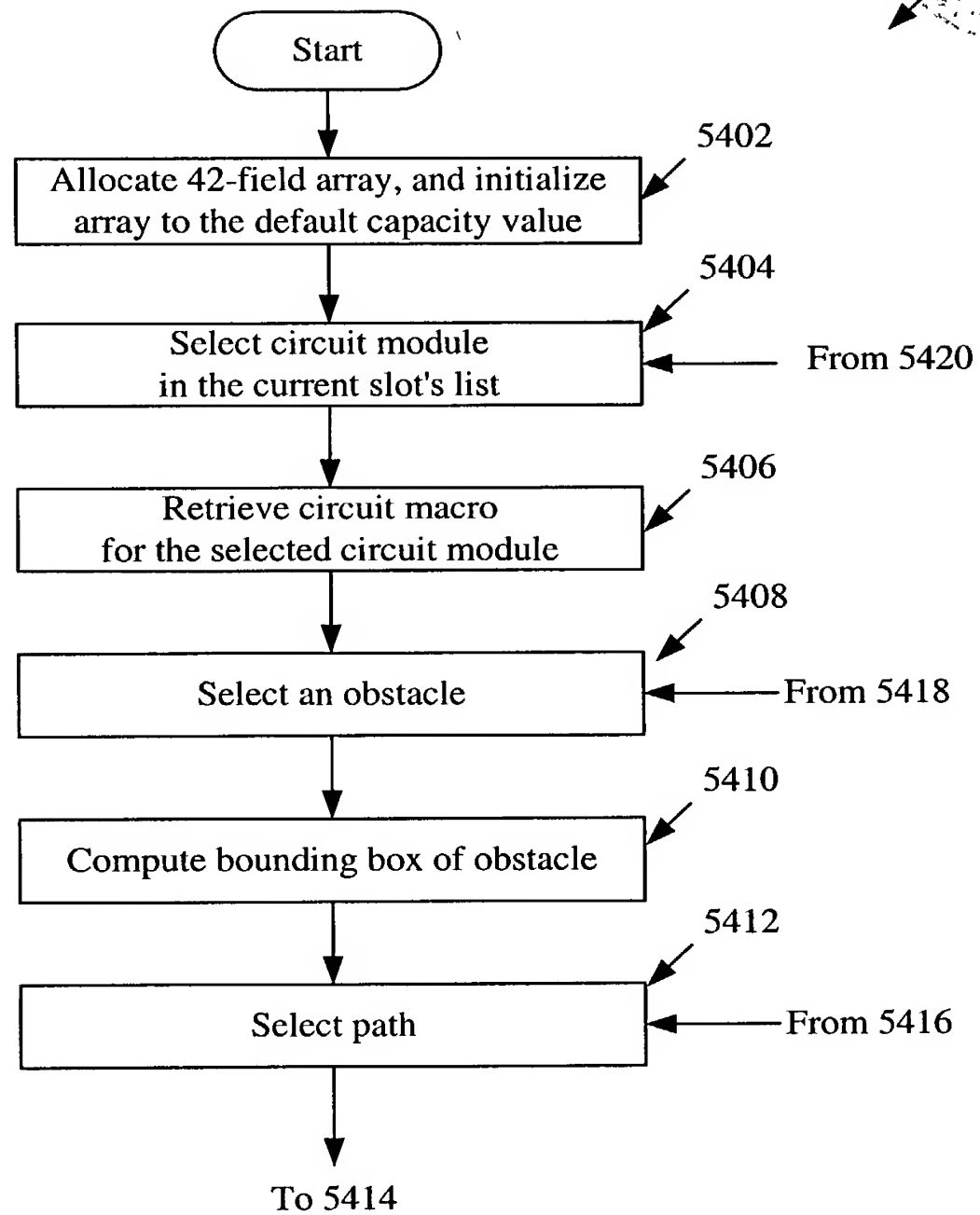
**Figure 51**

**Figure 52**



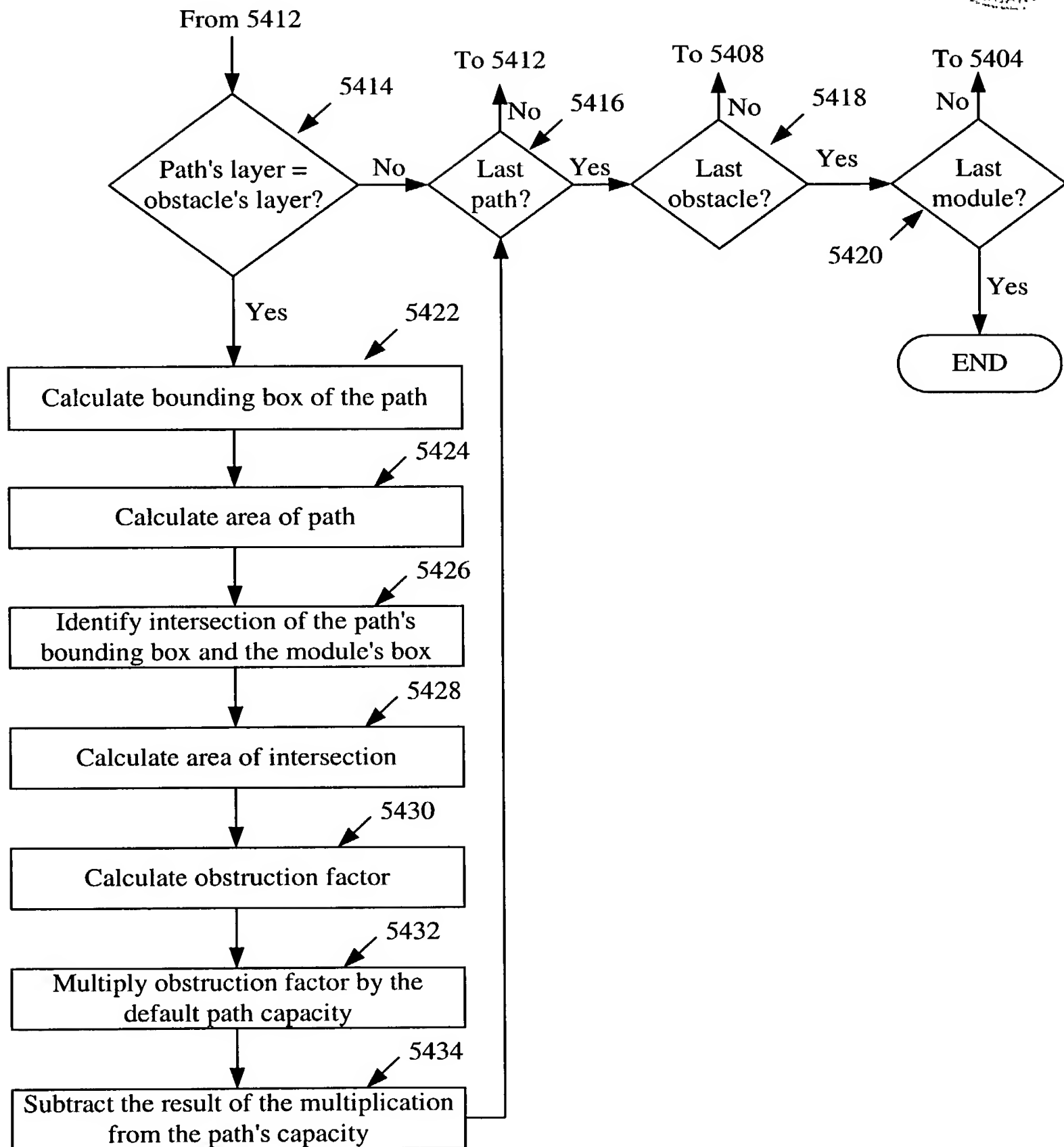


**Figure 53**



**Figure 54A**

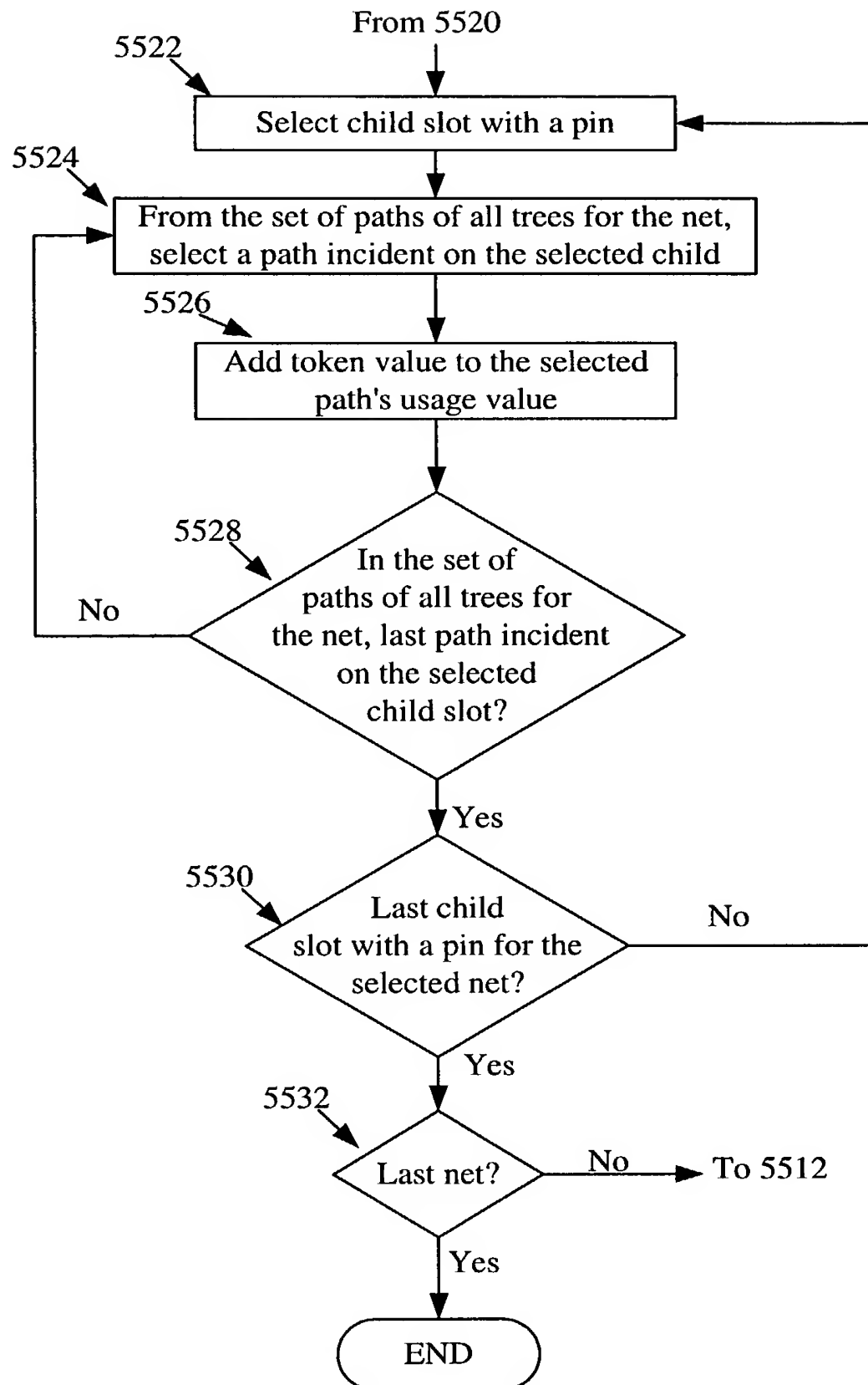
**Figure 54:**  $\frac{\text{Figure 54A}}{\text{Figure 54B}}$



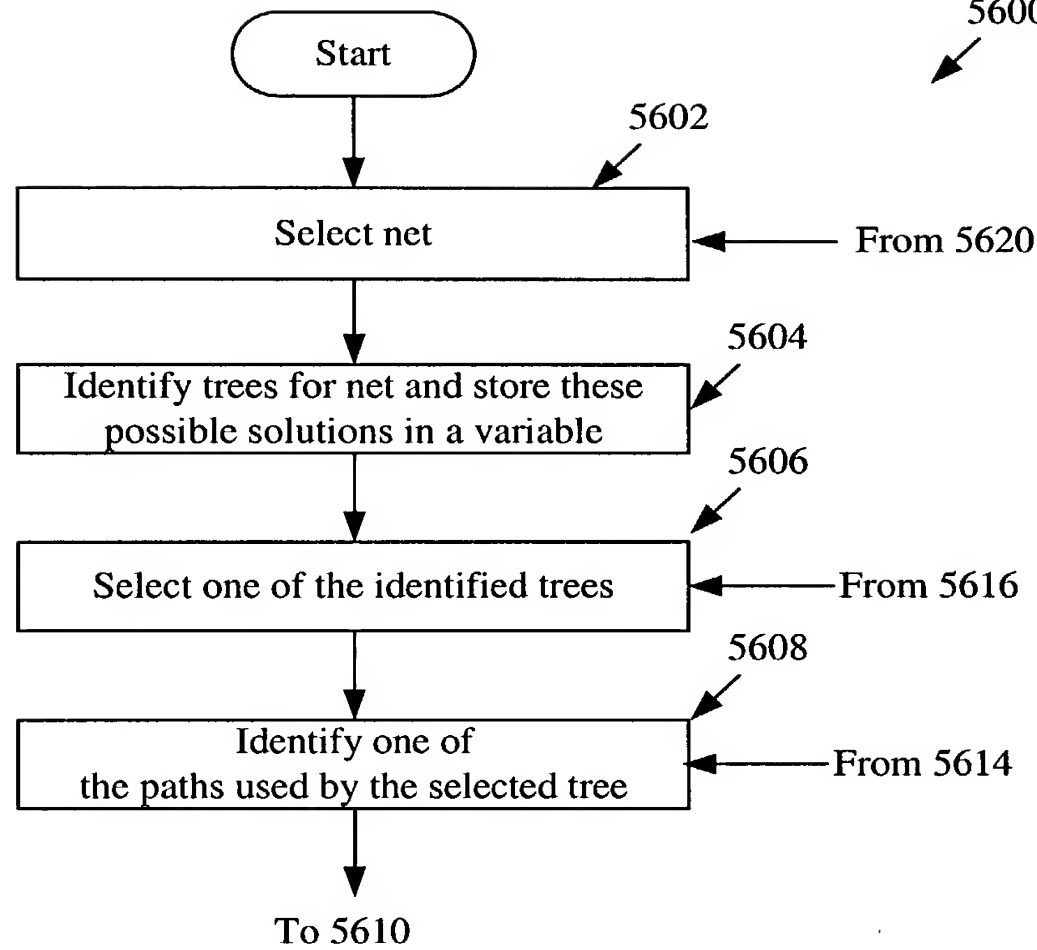
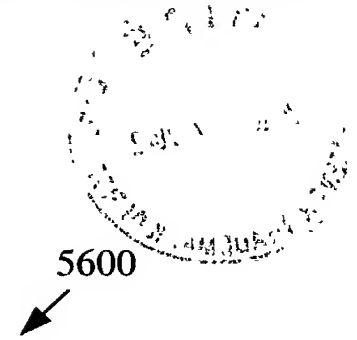
**Figure 54B**



**Figure 55:** Figure 55A  
**Figure 55B**

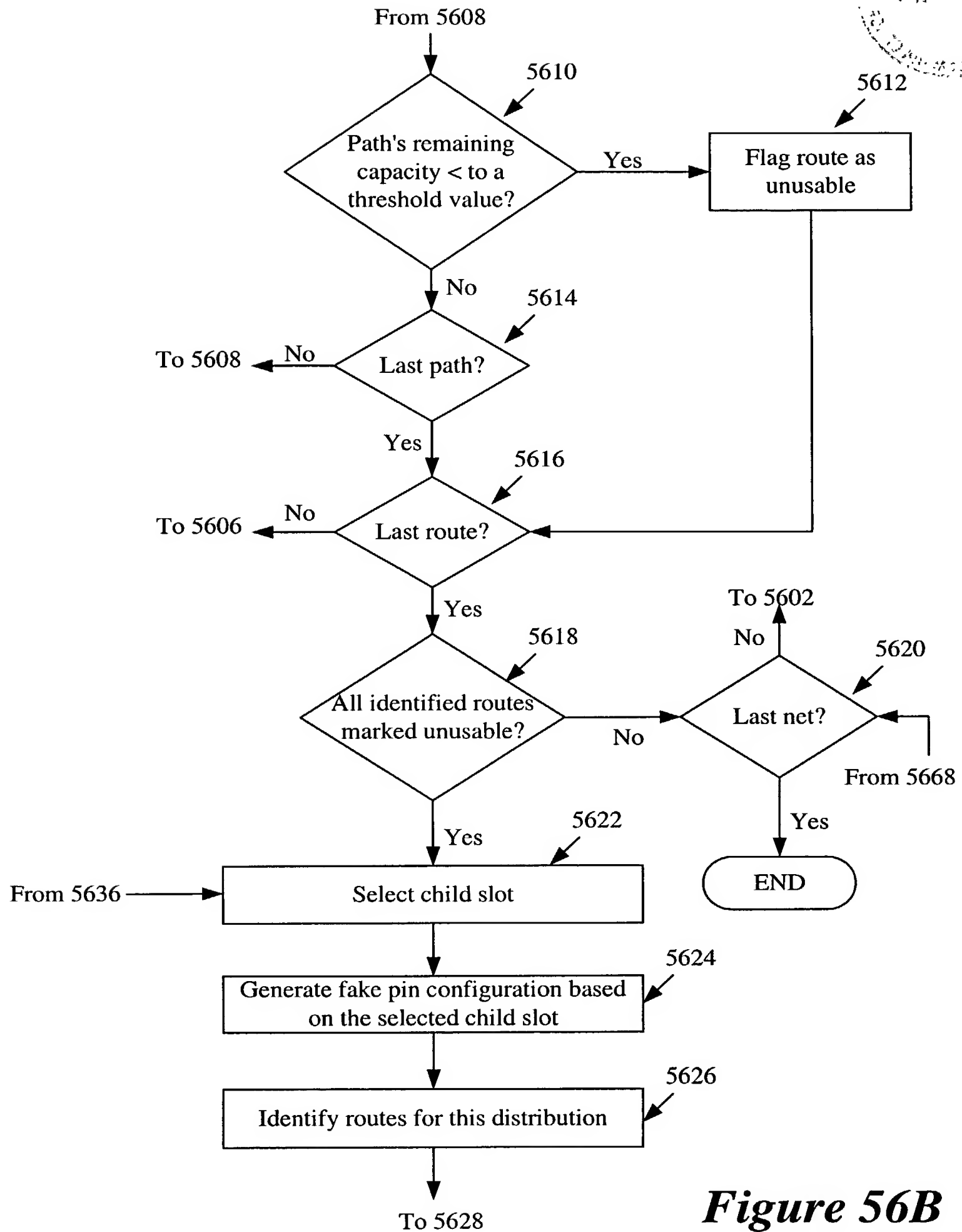


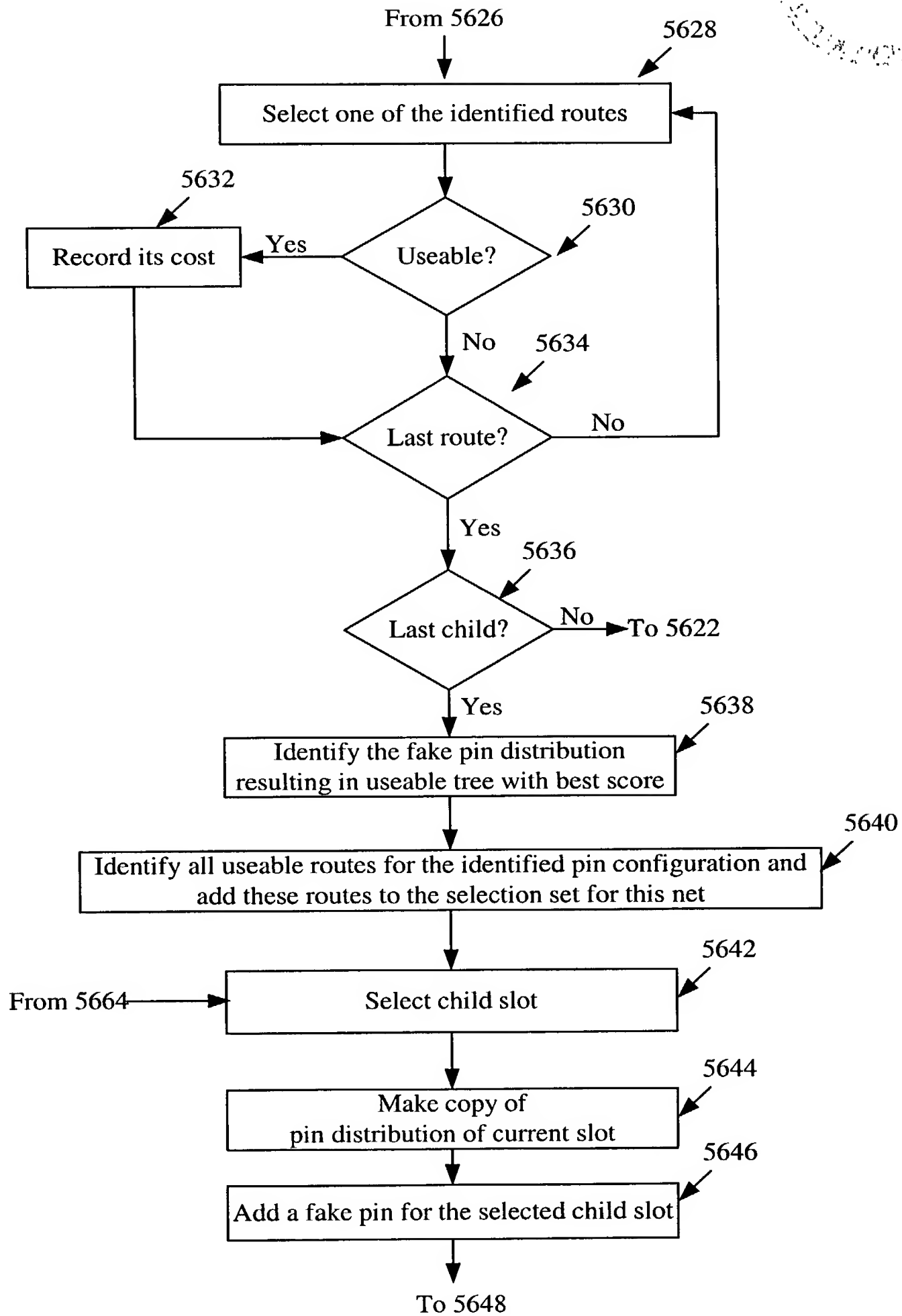
**Figure 55B**



**Figure 56A**

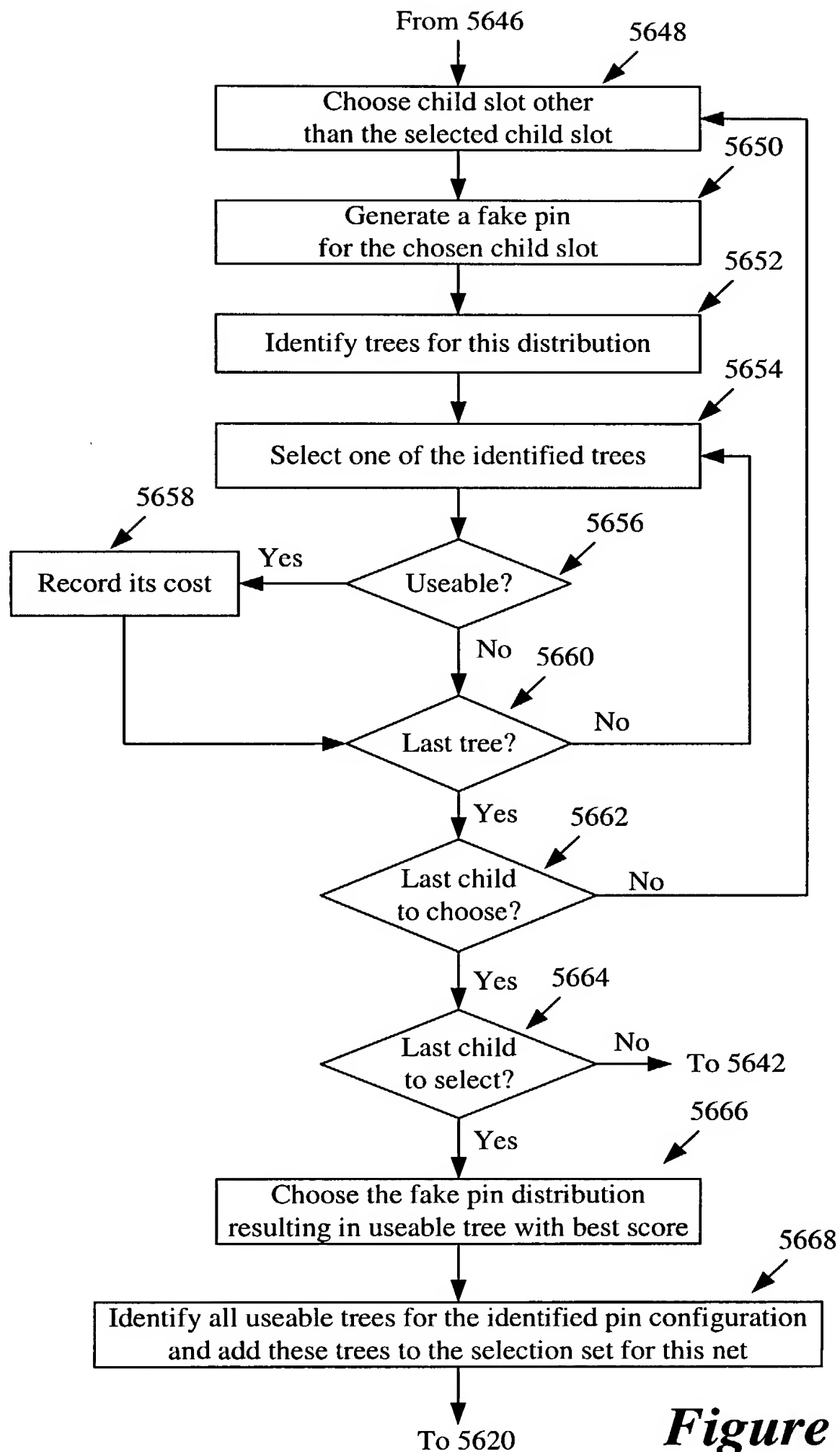
**Figure 56:** Figure 56A  
Figure 56B  
Figure 56C  
Figure 56D

**Figure 56B**

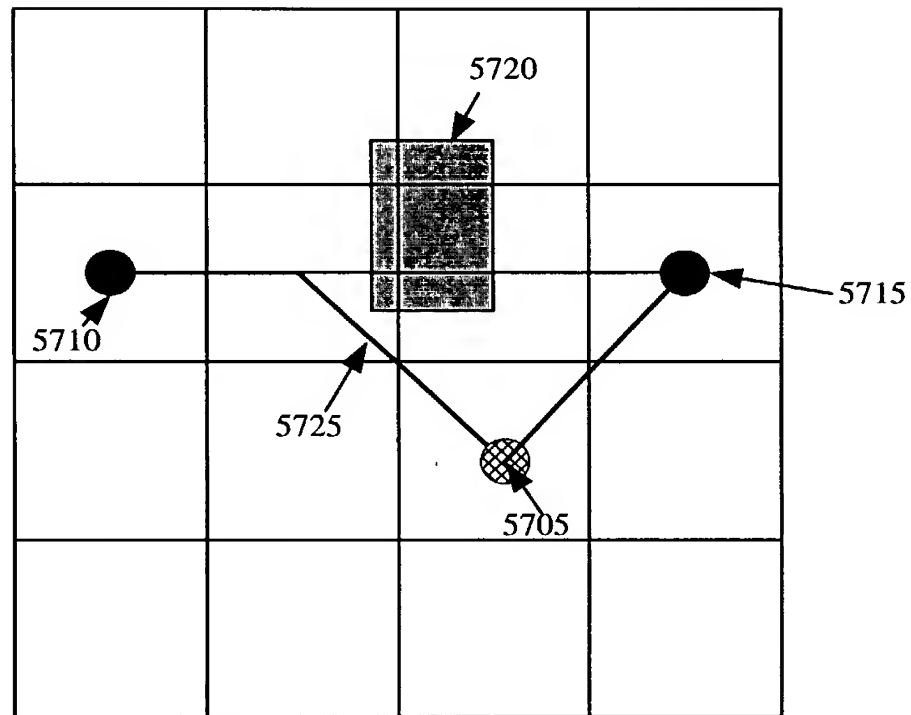


**Figure 56C**

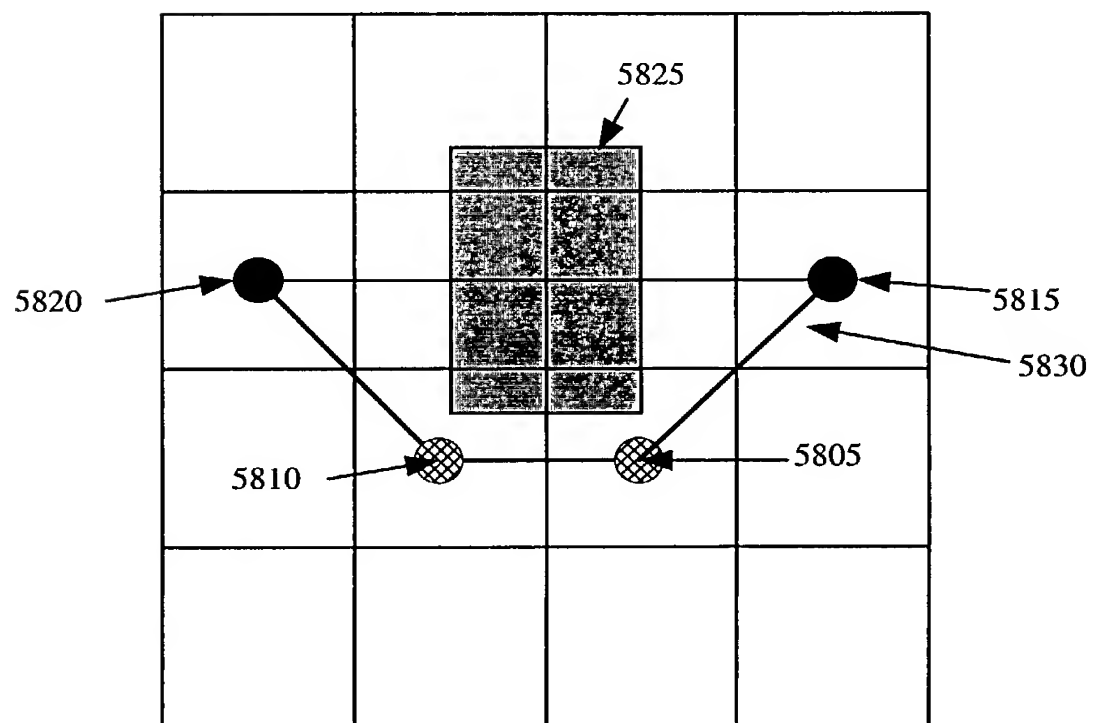




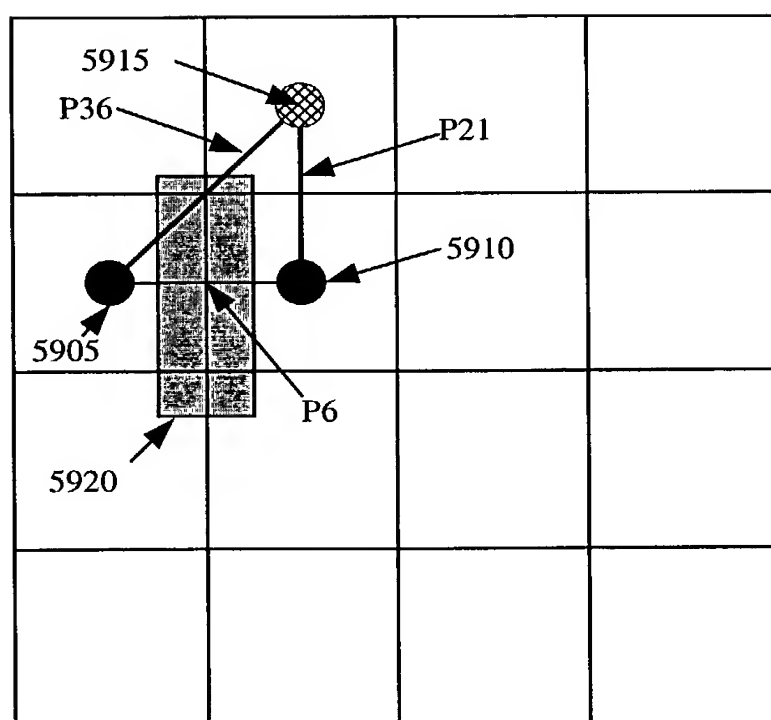
**Figure 56D**



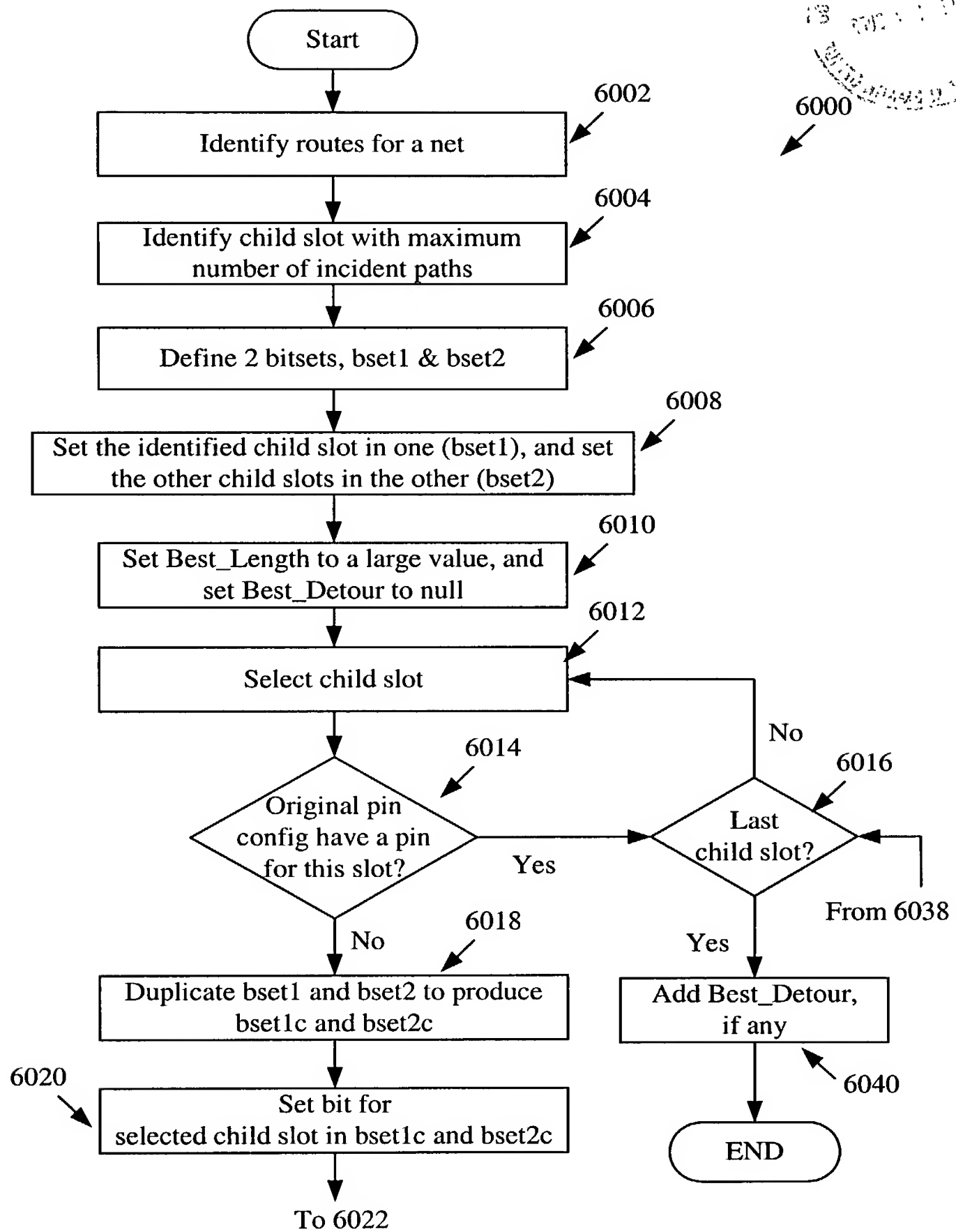
**Figure 57**



**Figure 58**

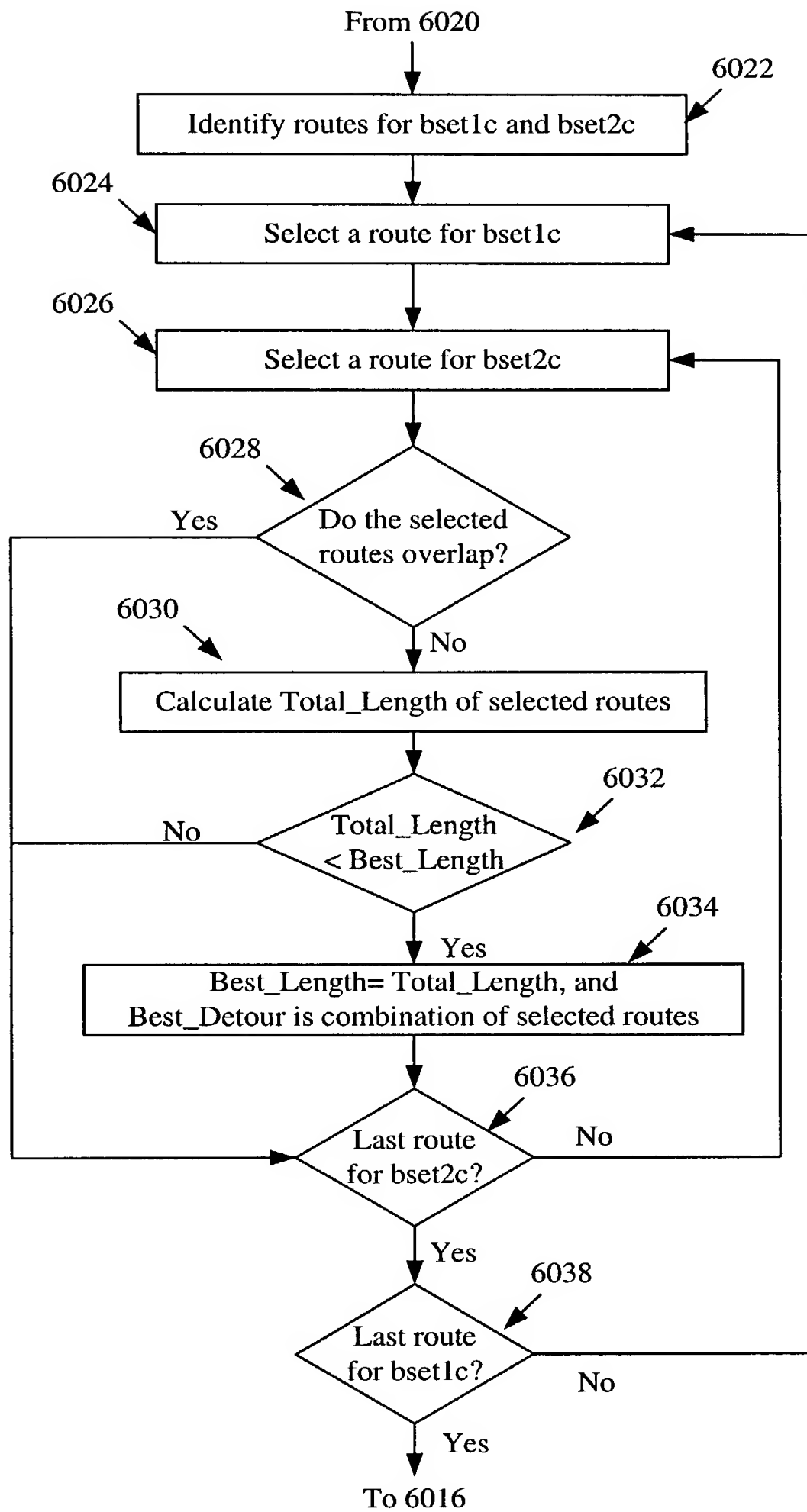


**Figure 59**



**Figure 60A**

**Figure 60: Figure 60A  
Figure 60B**

**Figure 60B**

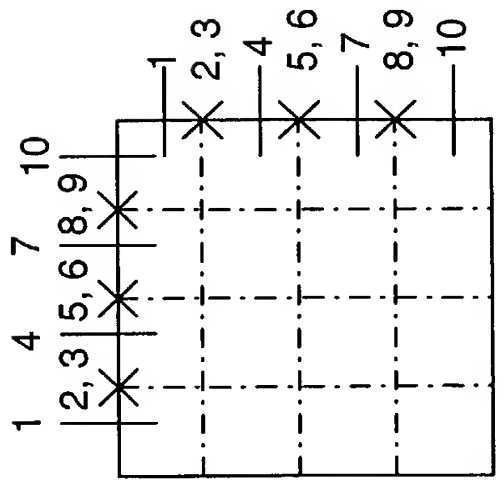


Figure 61

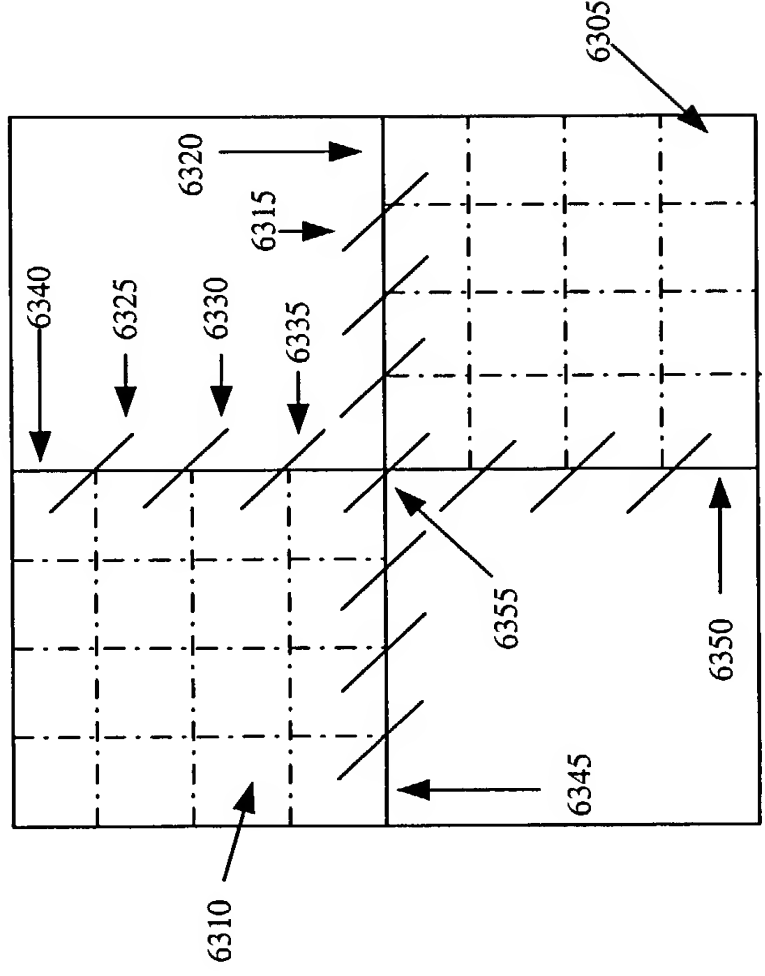


Figure 63

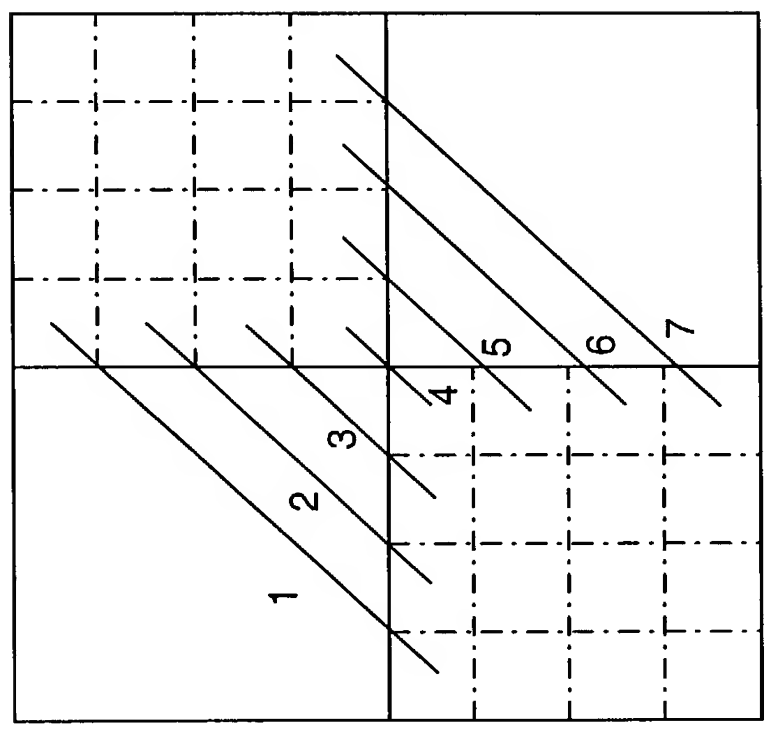
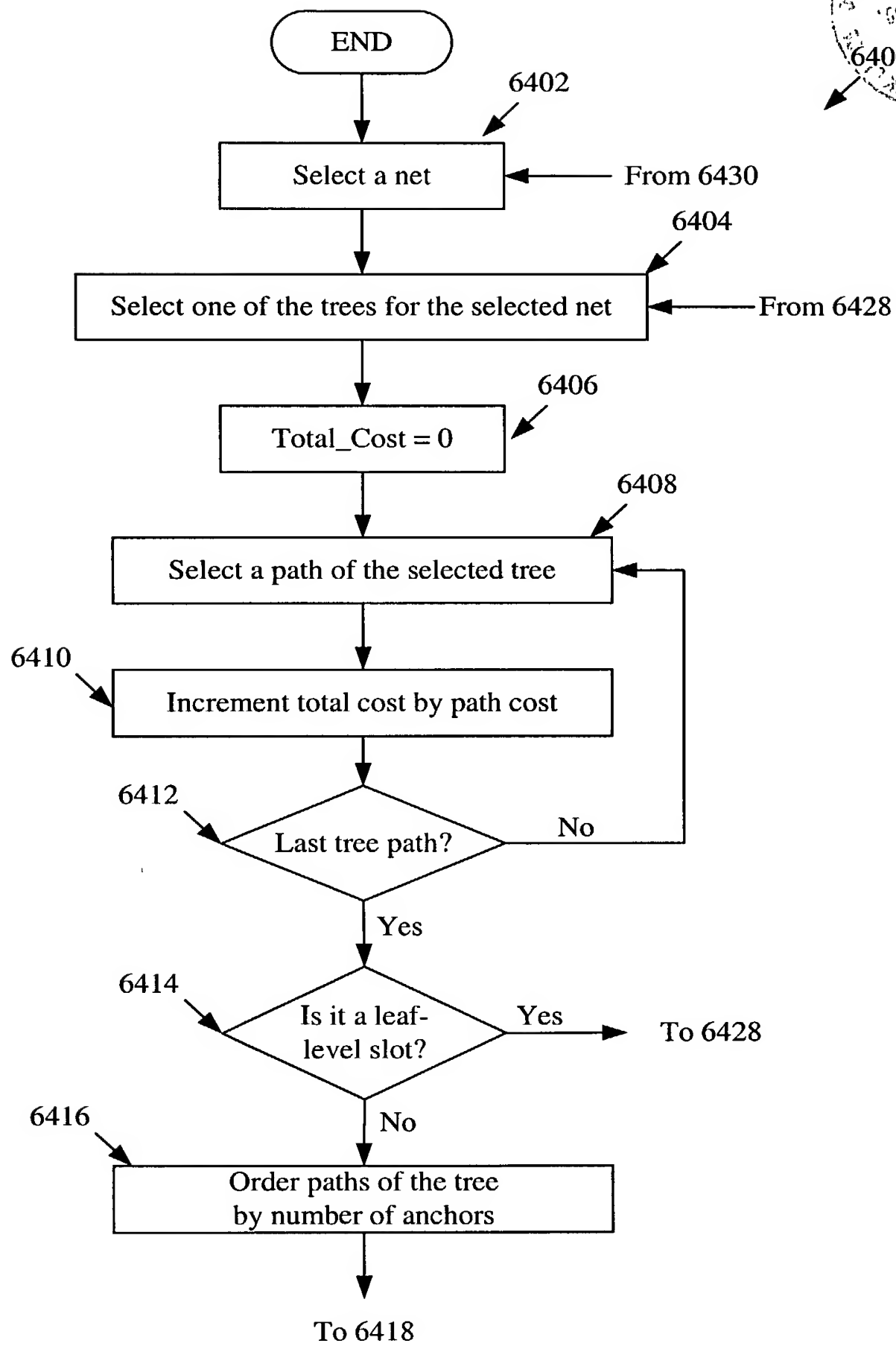
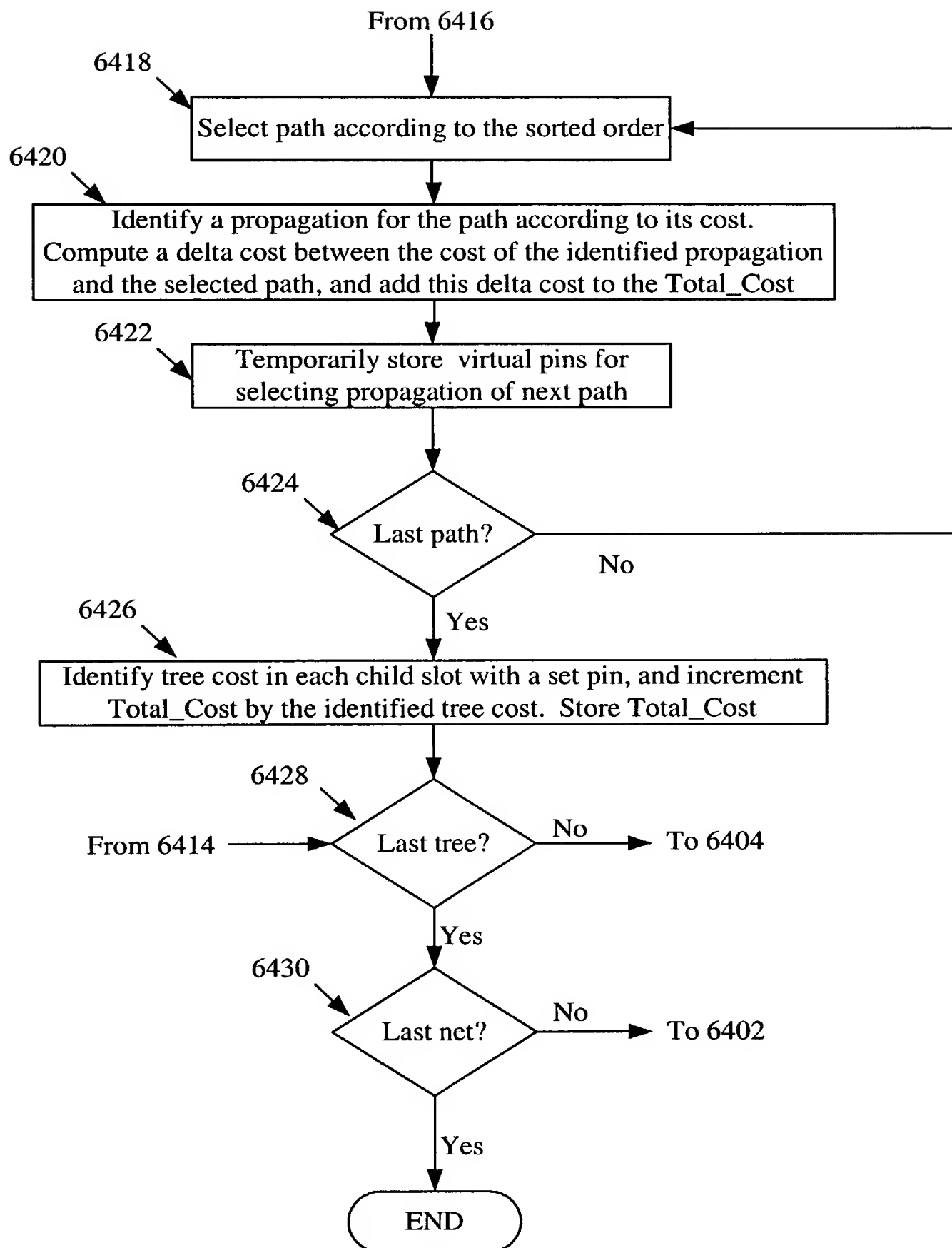


Figure 62



**Figure 64A**

**Figure 64:** *Figure 64A*  
*Figure 64B*

**Figure 64B**



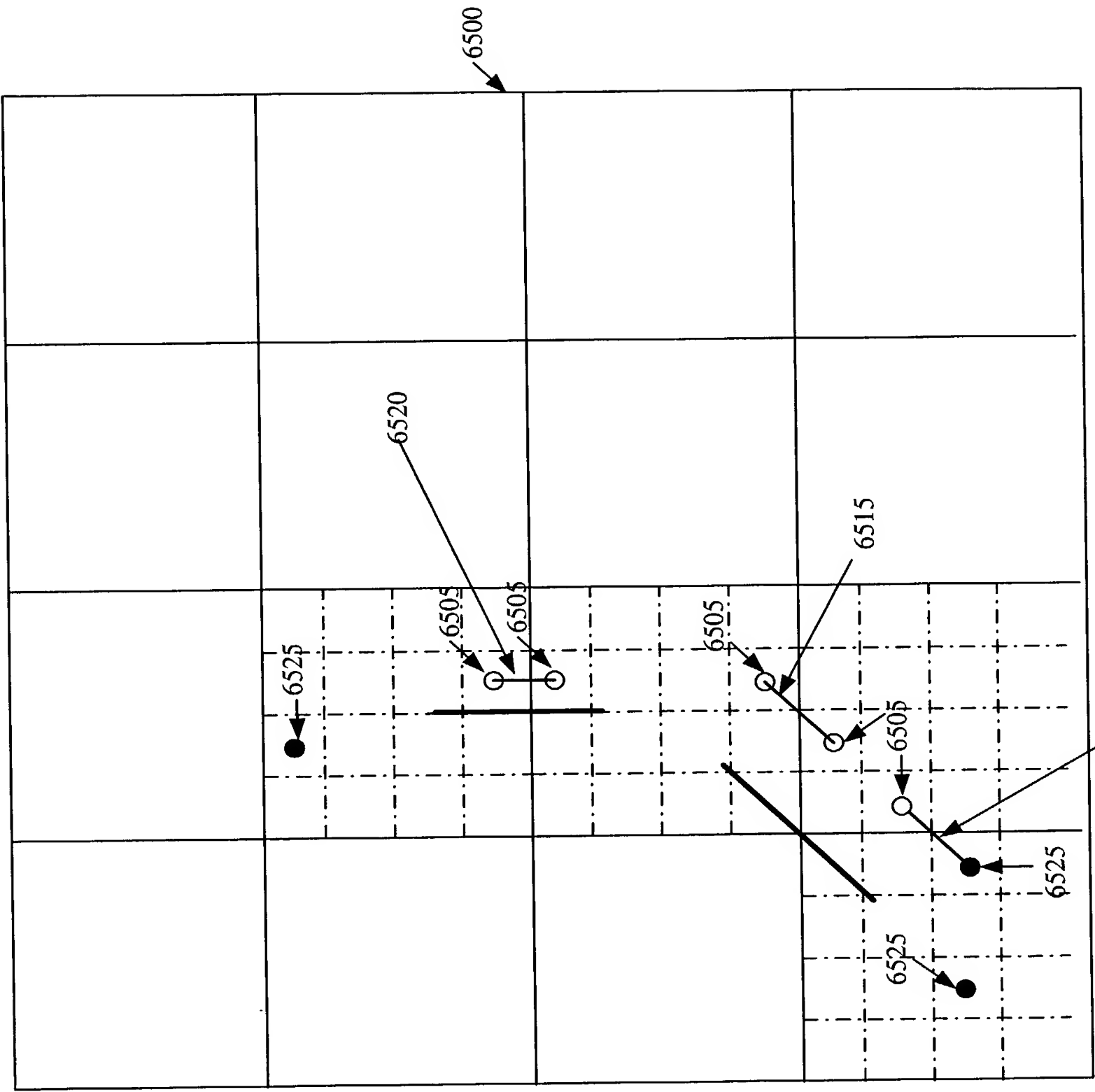


Figure 65



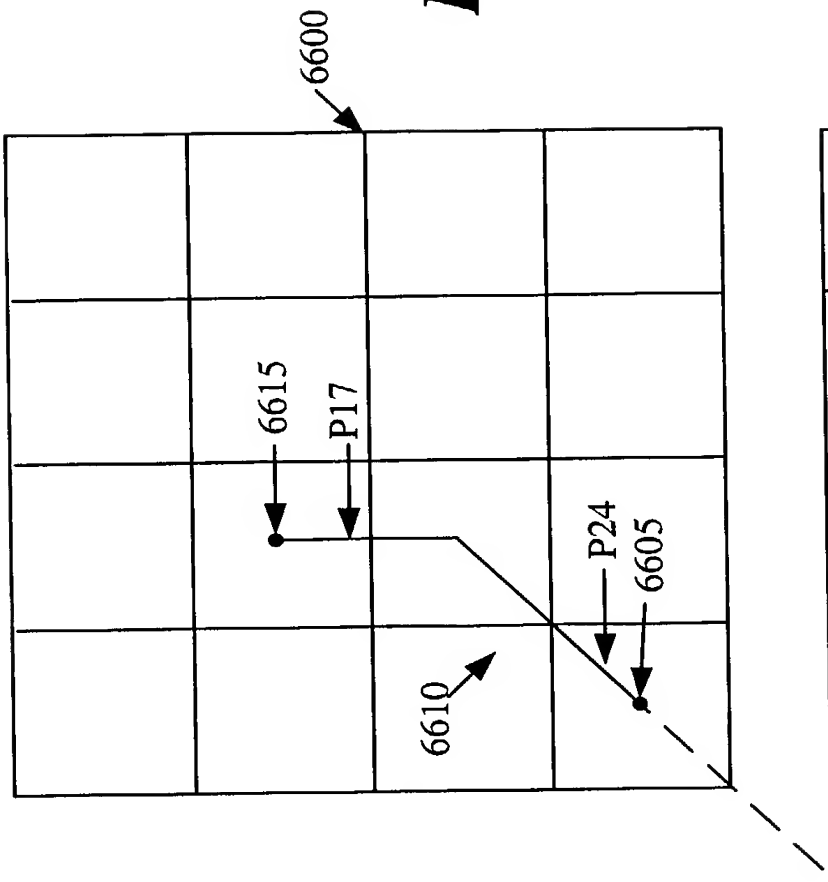


Figure 66

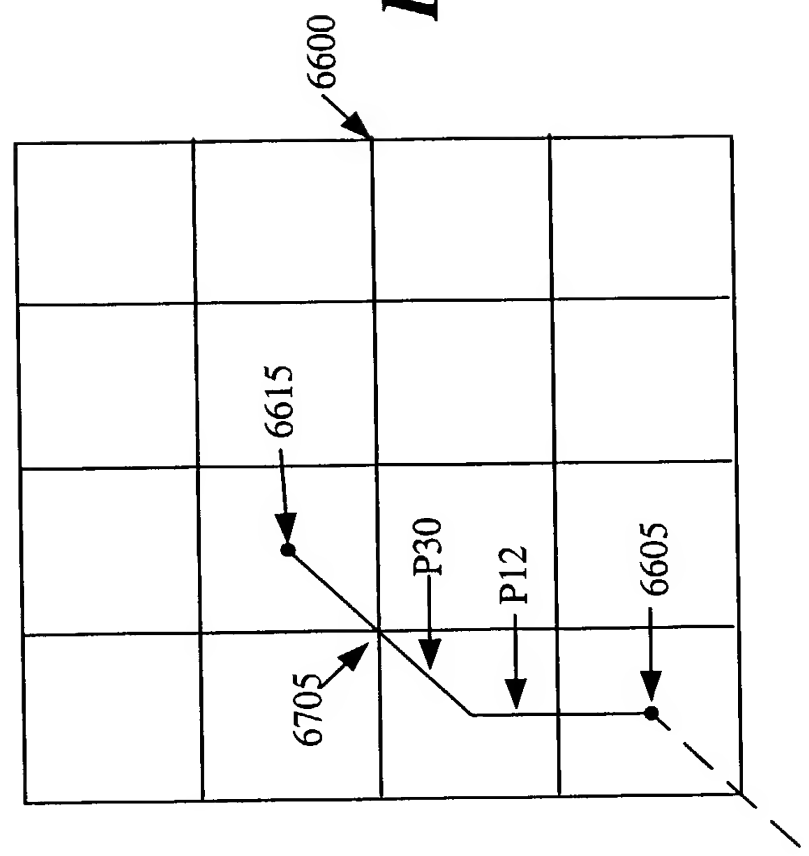
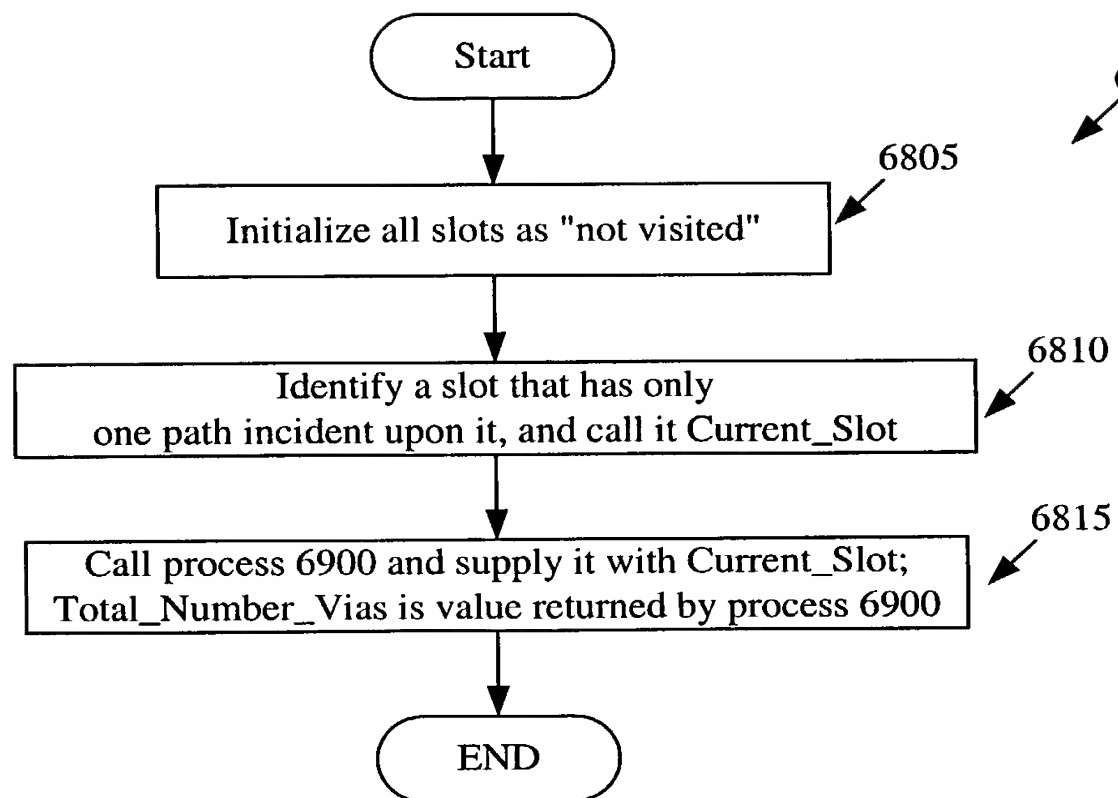
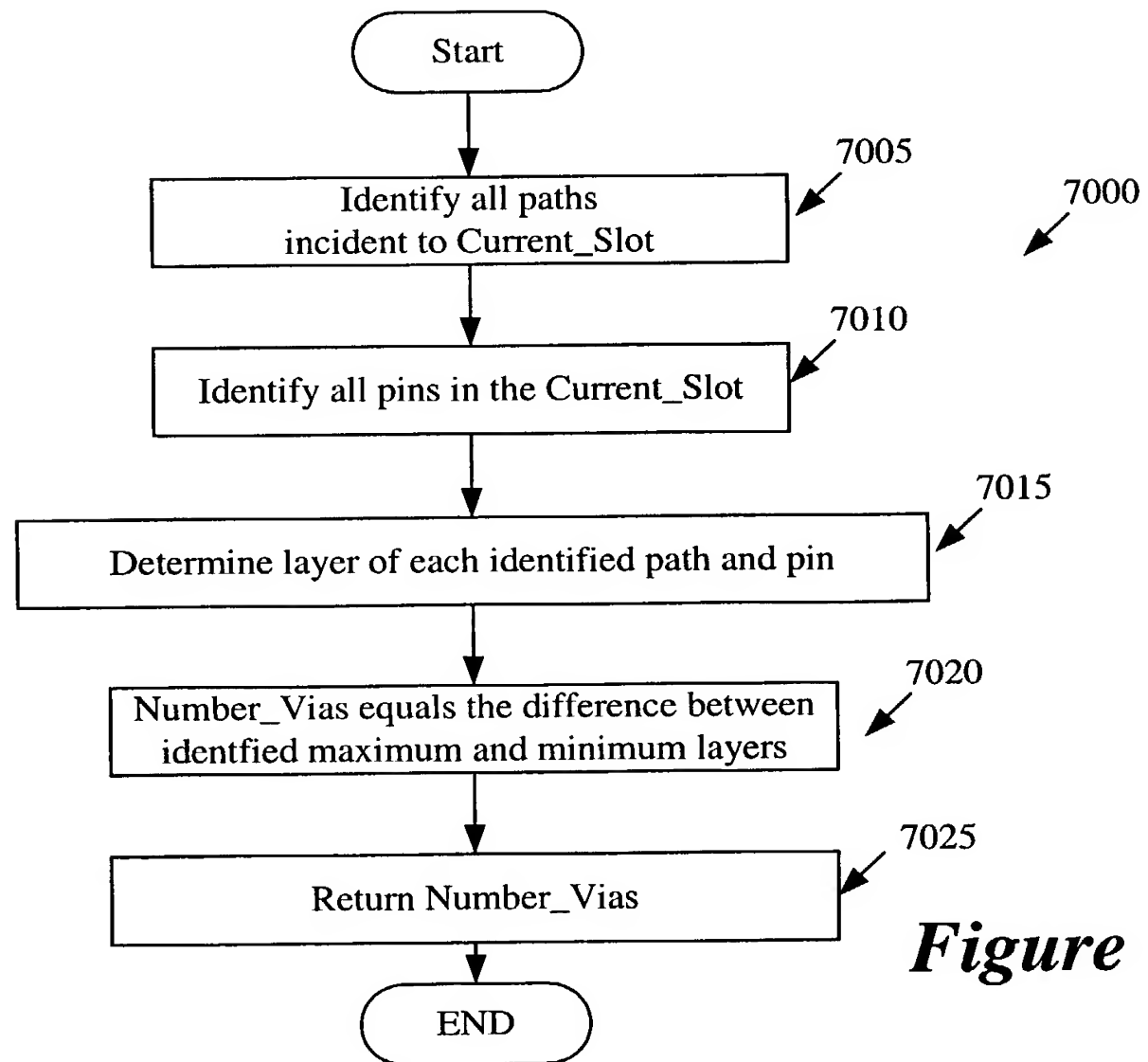


Figure 67

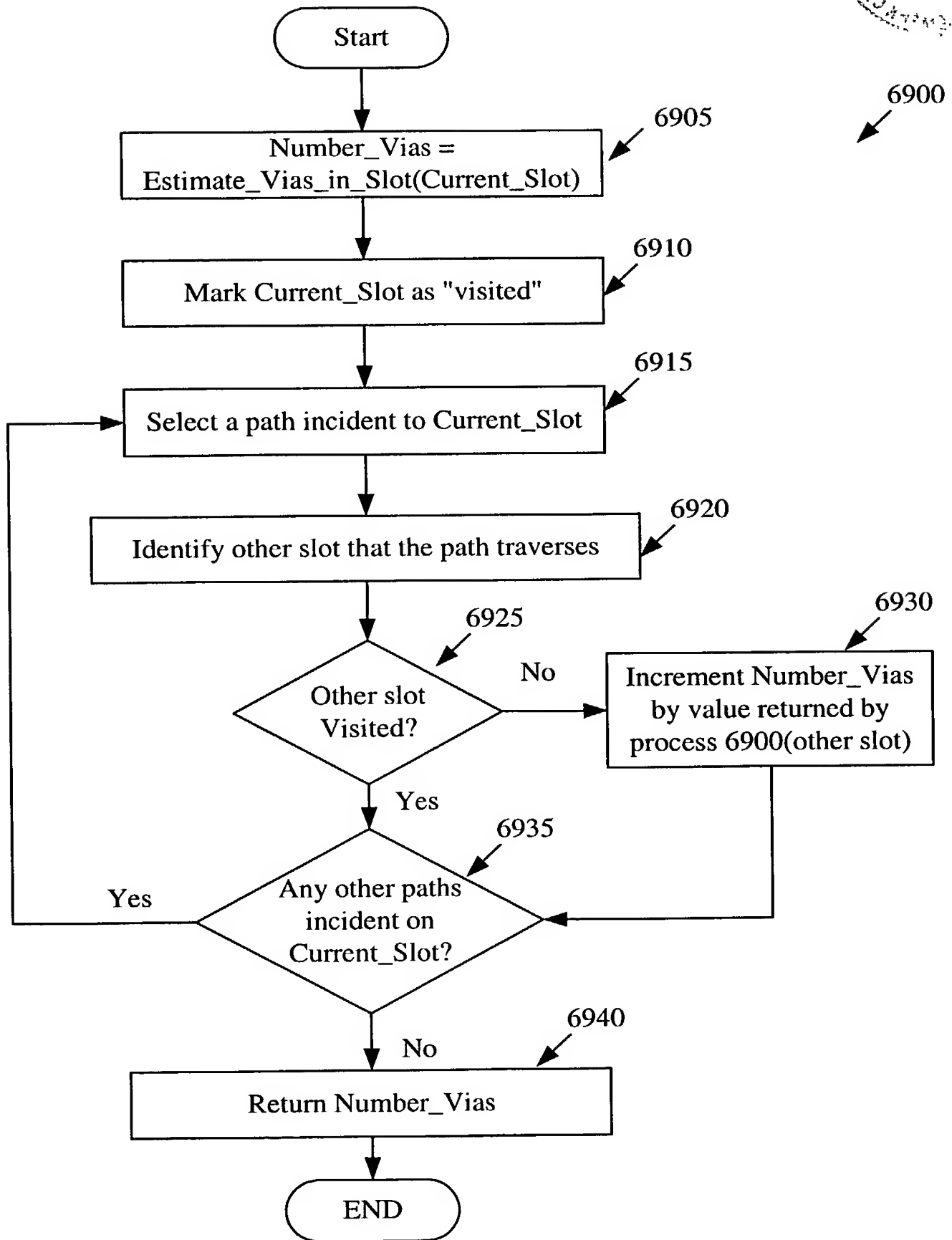




**Figure 68**



**Figure 70**



**Figure 69**

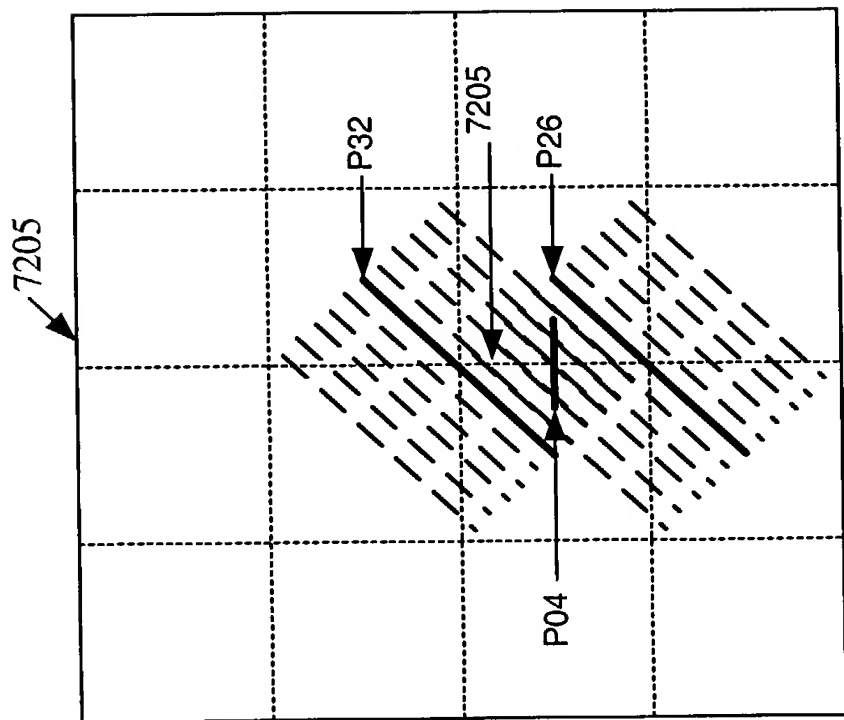


Figure 72

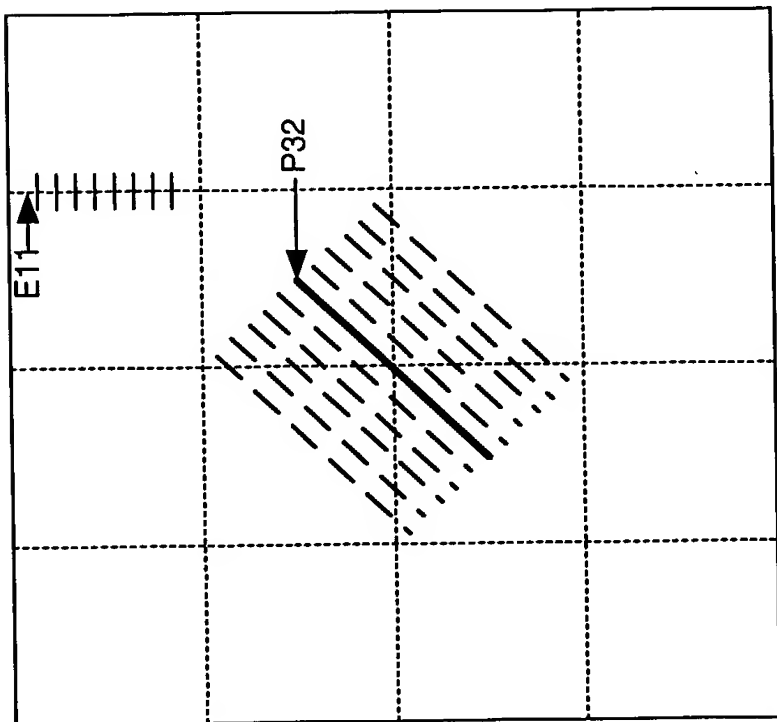


Figure 71



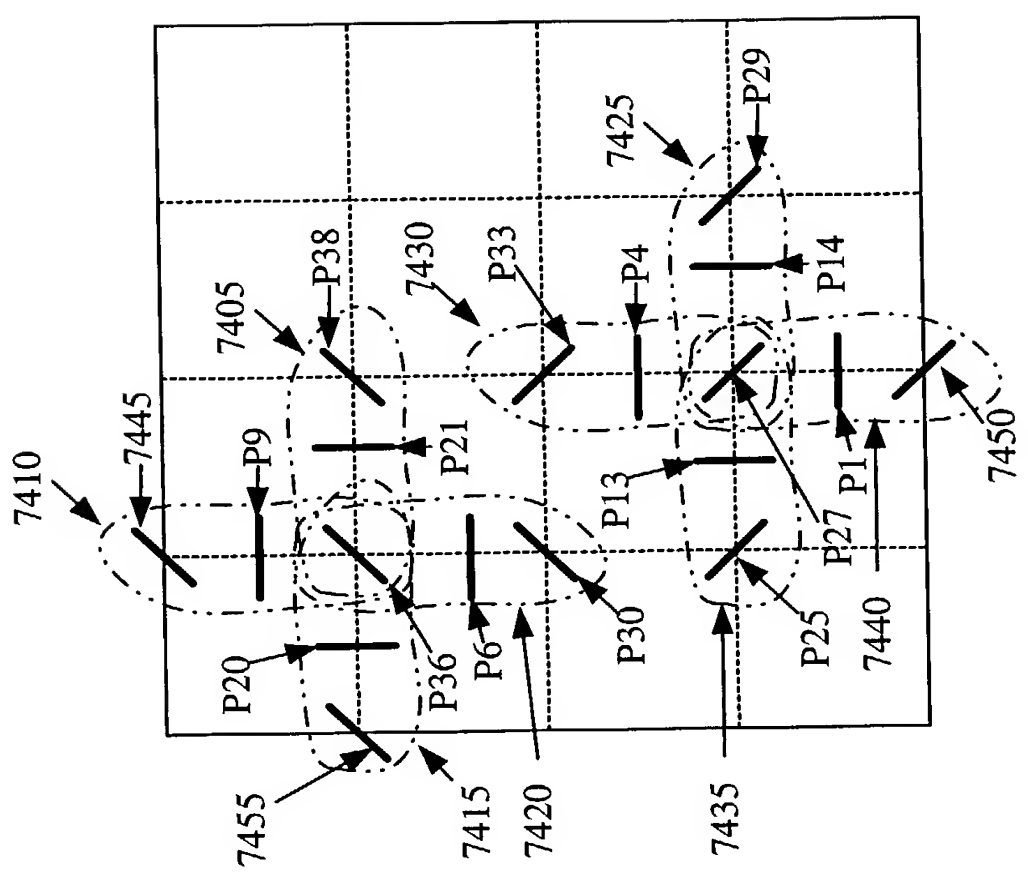


Figure 74

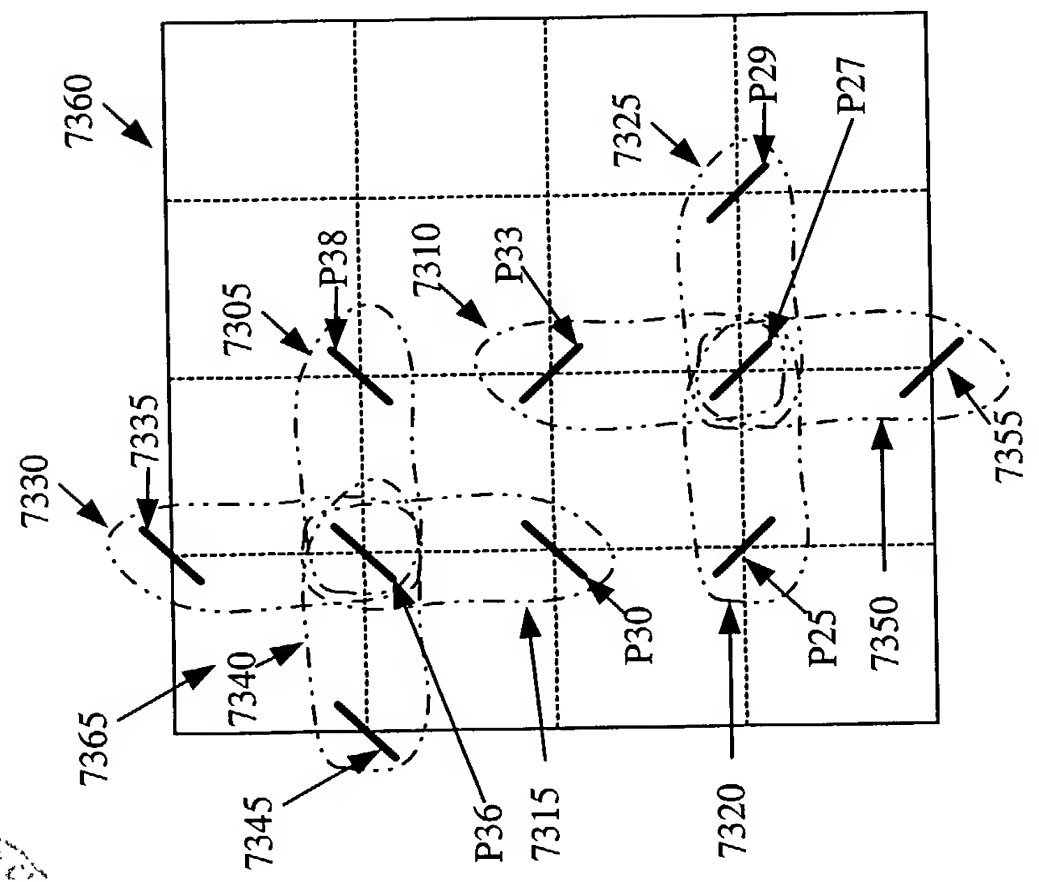
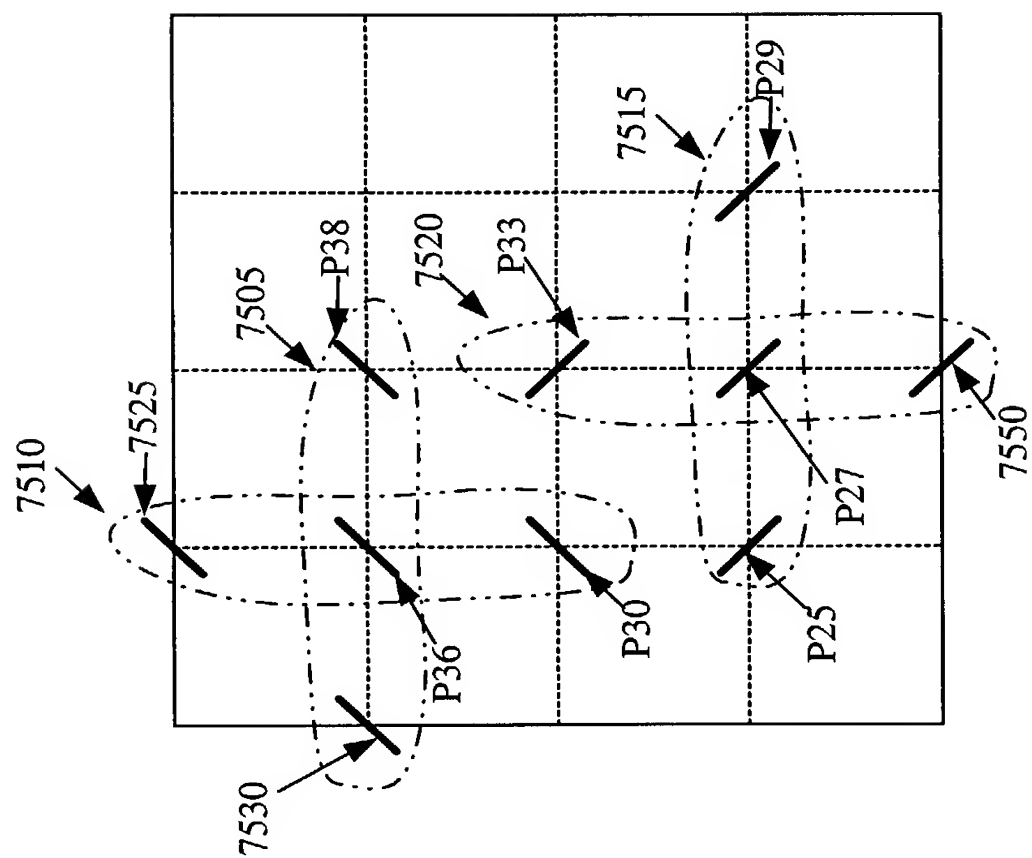
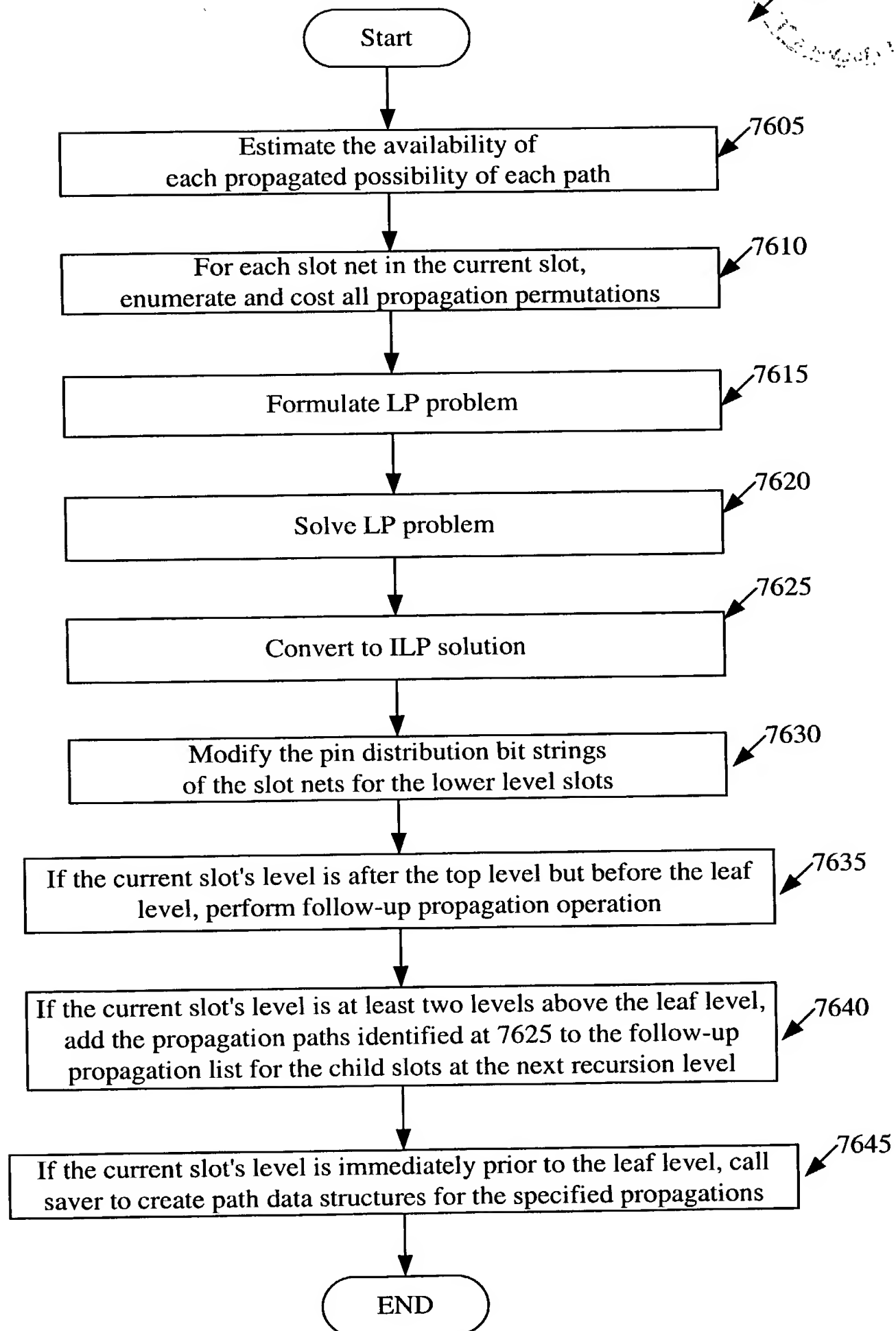


Figure 73

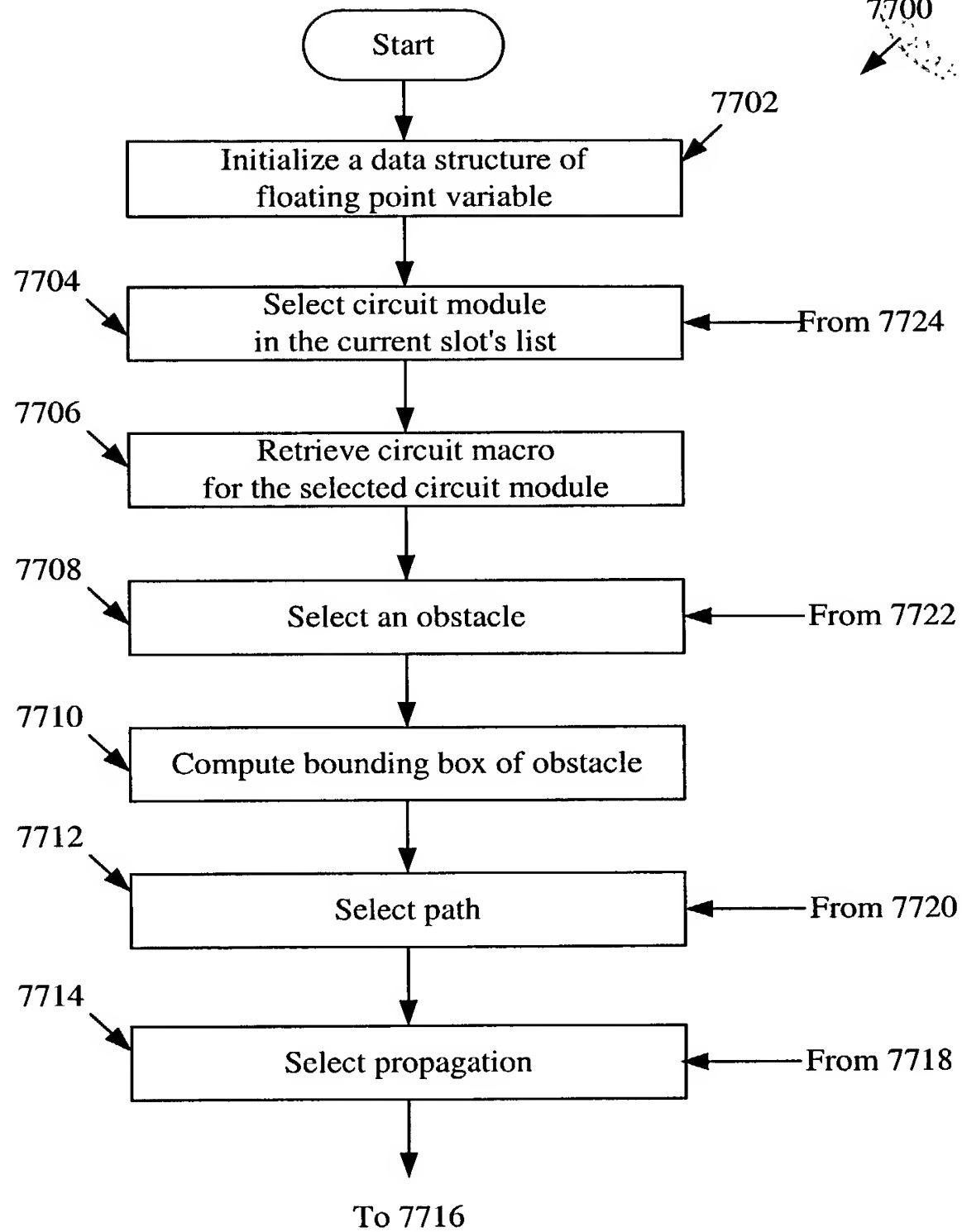


*Figure 75*



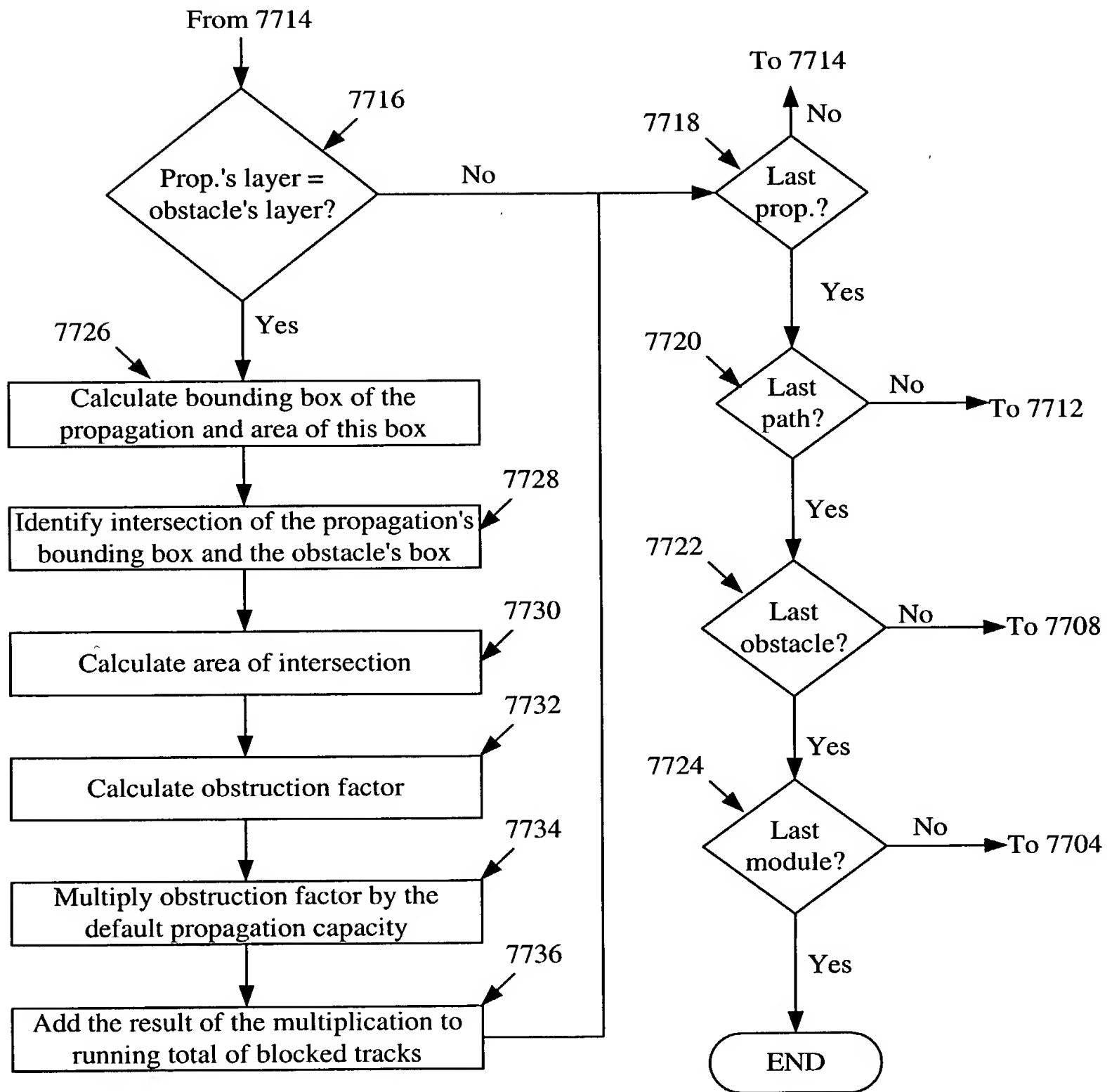
**Figure 76**



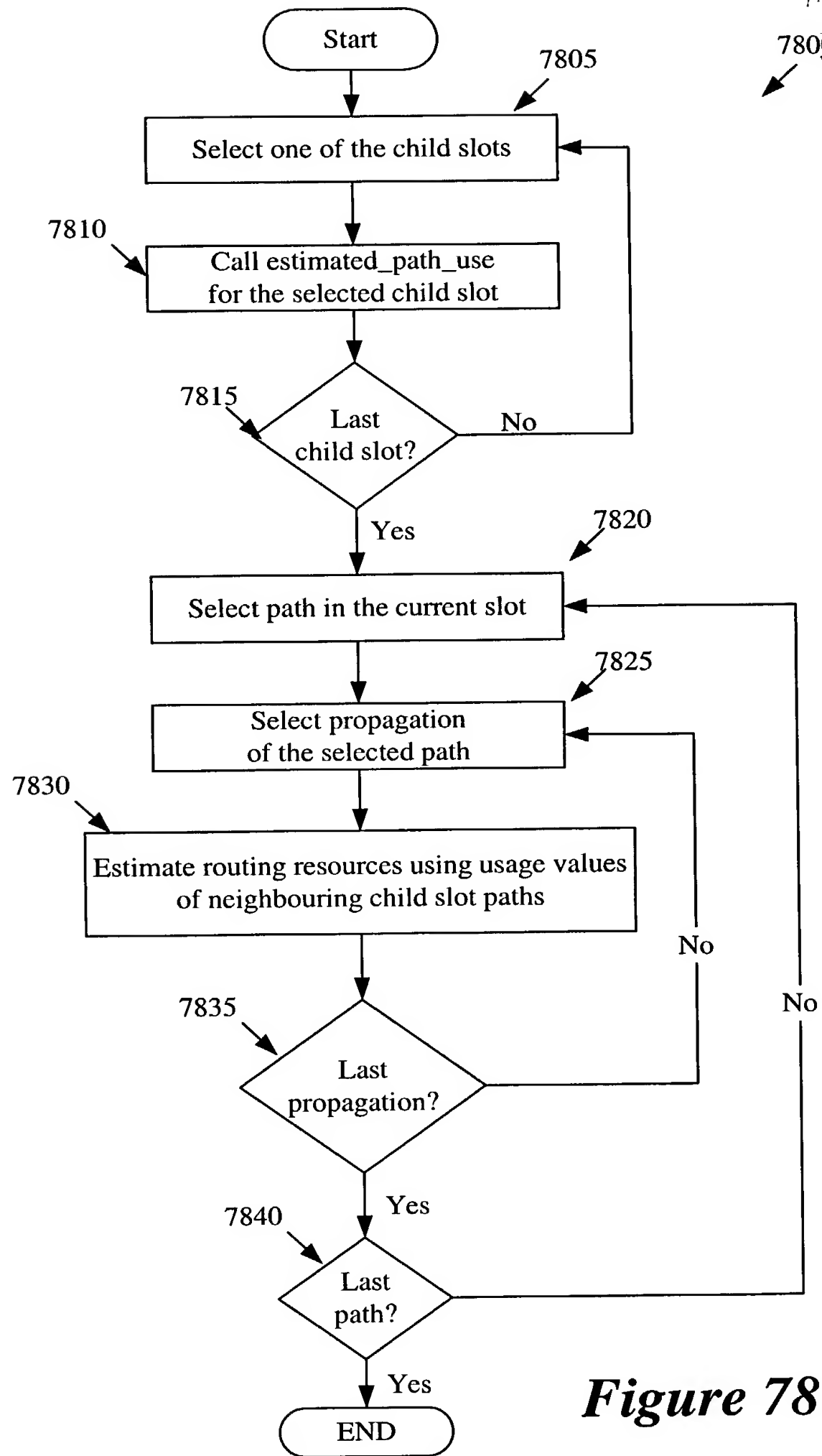


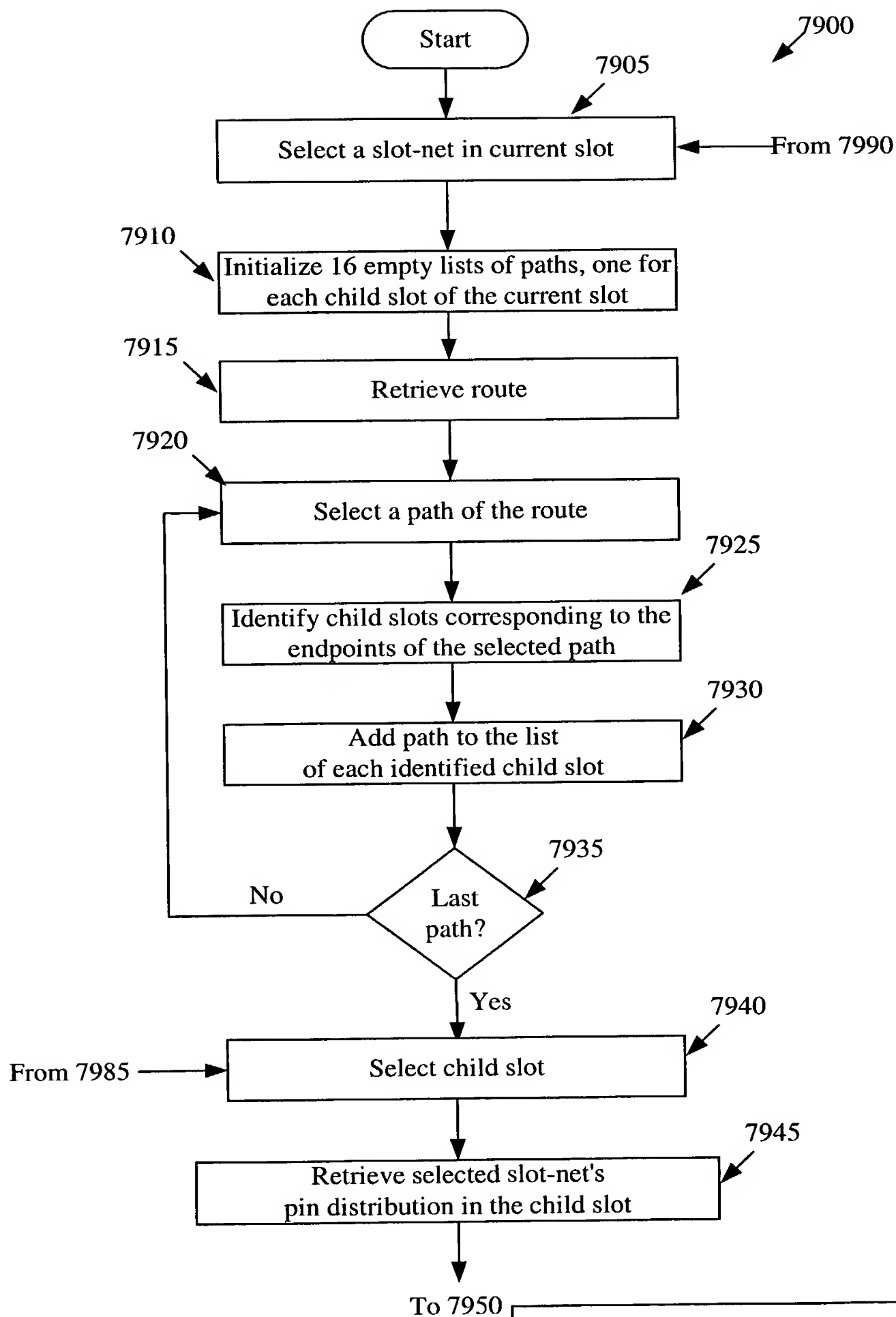
**Figure 77A**

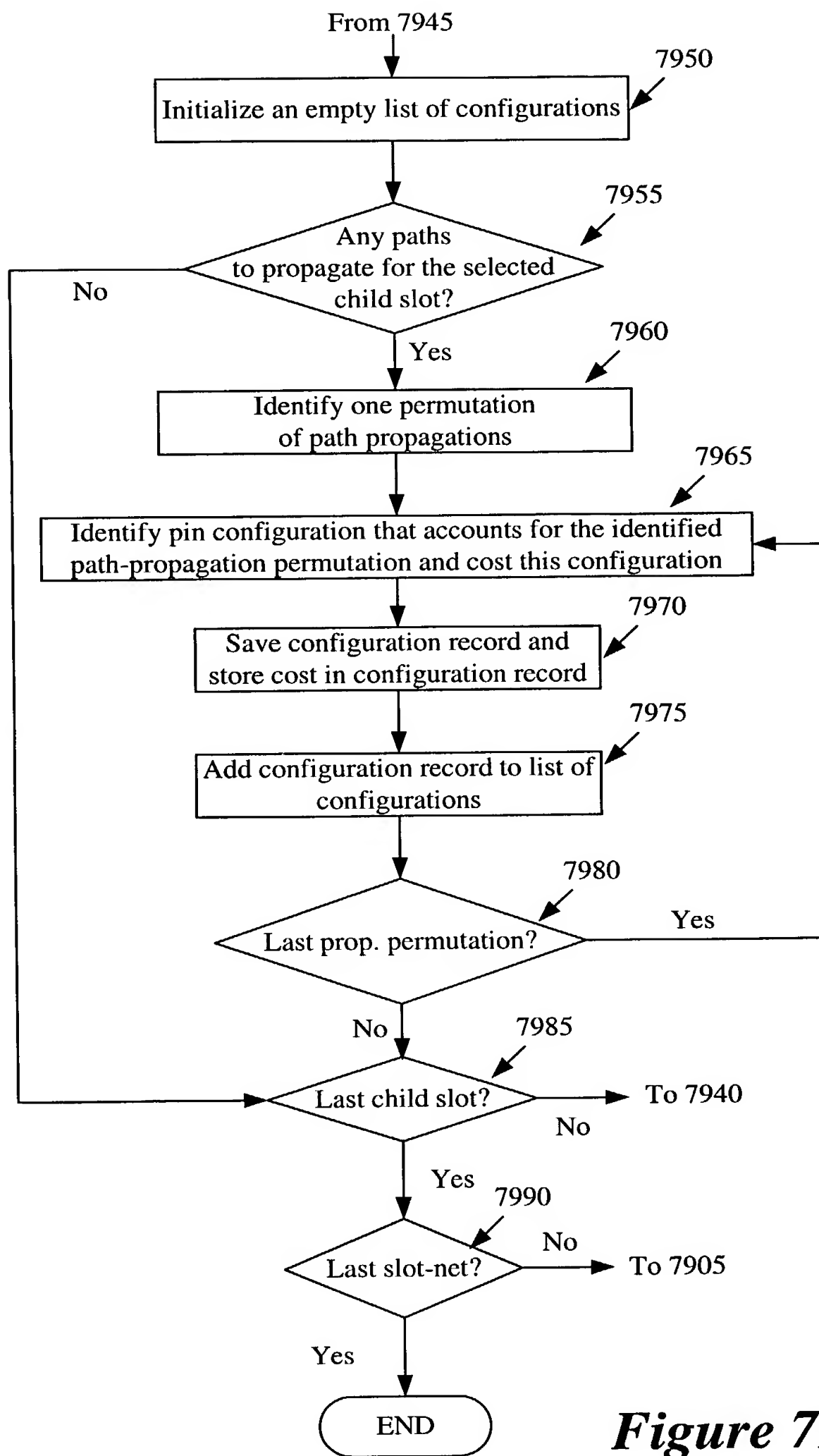
**Figure 77:  $\frac{\text{Figure 77A}}{\text{Figure 77B}}$**

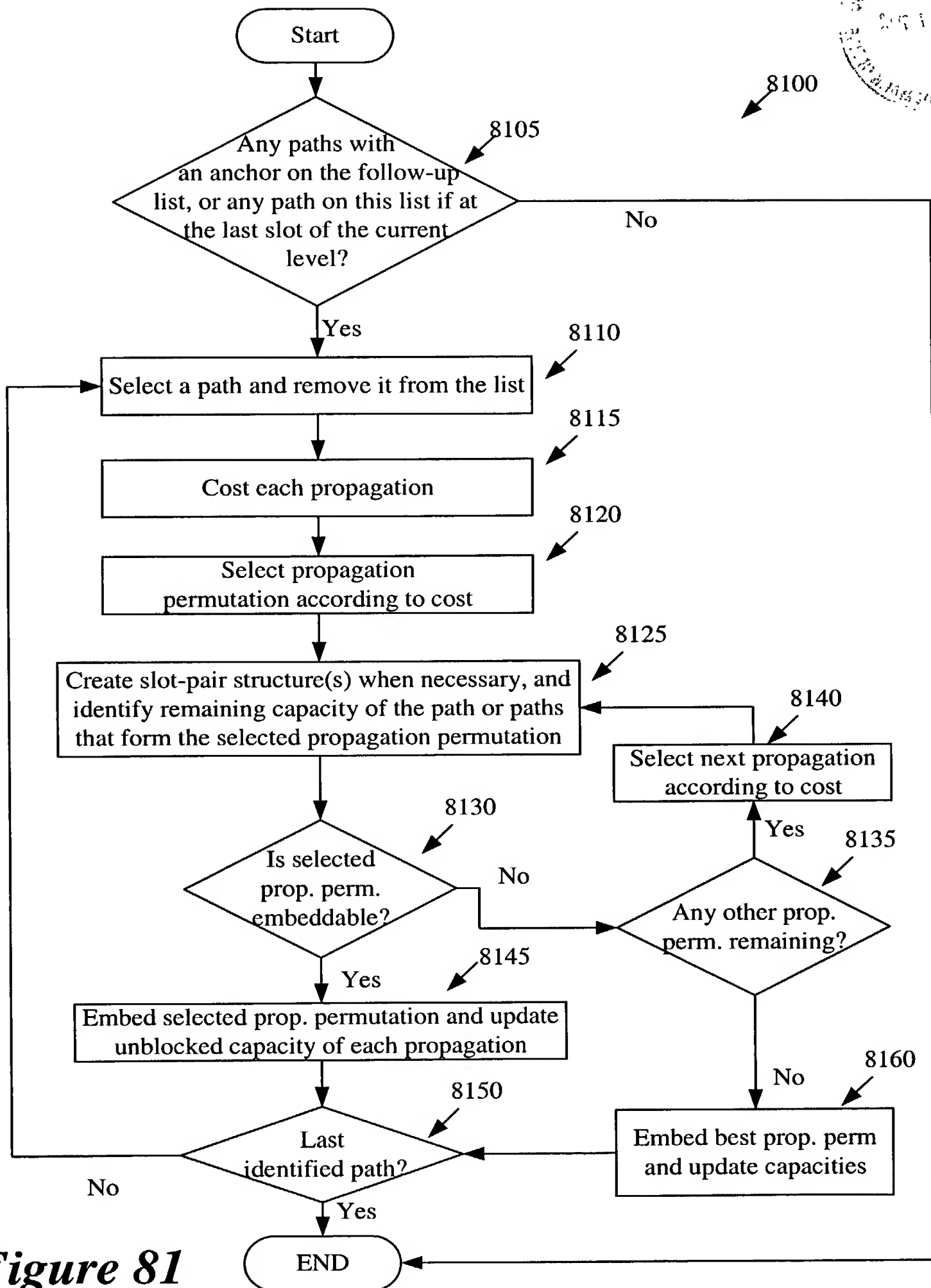


**Figure 77B**

**Figure 78**

**Figure 79A****Figure 79: *Figure 79A*  
*Figure 79B***

**Figure 79B**

**Figure 81**

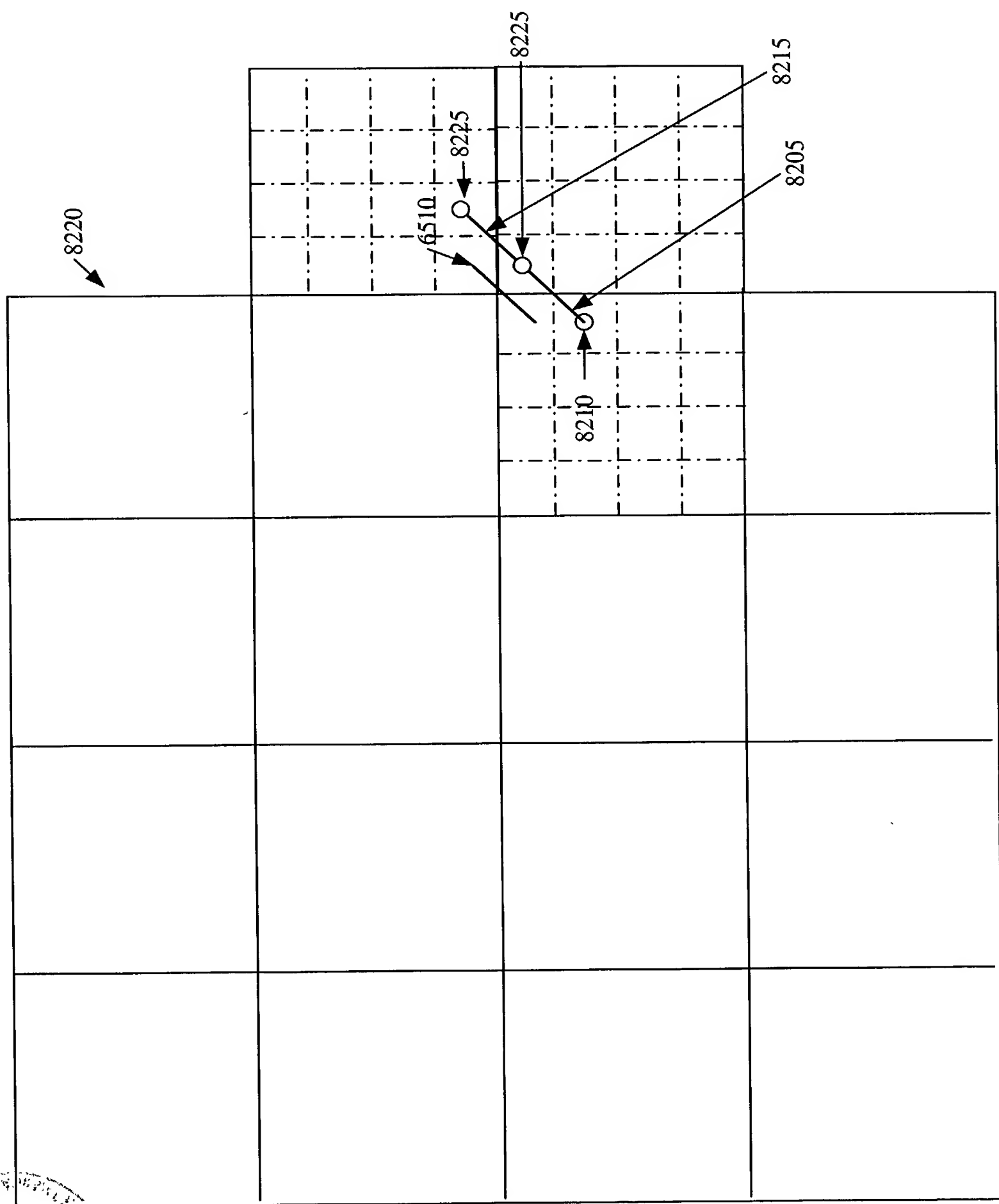
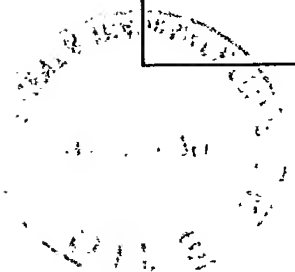


Figure 82



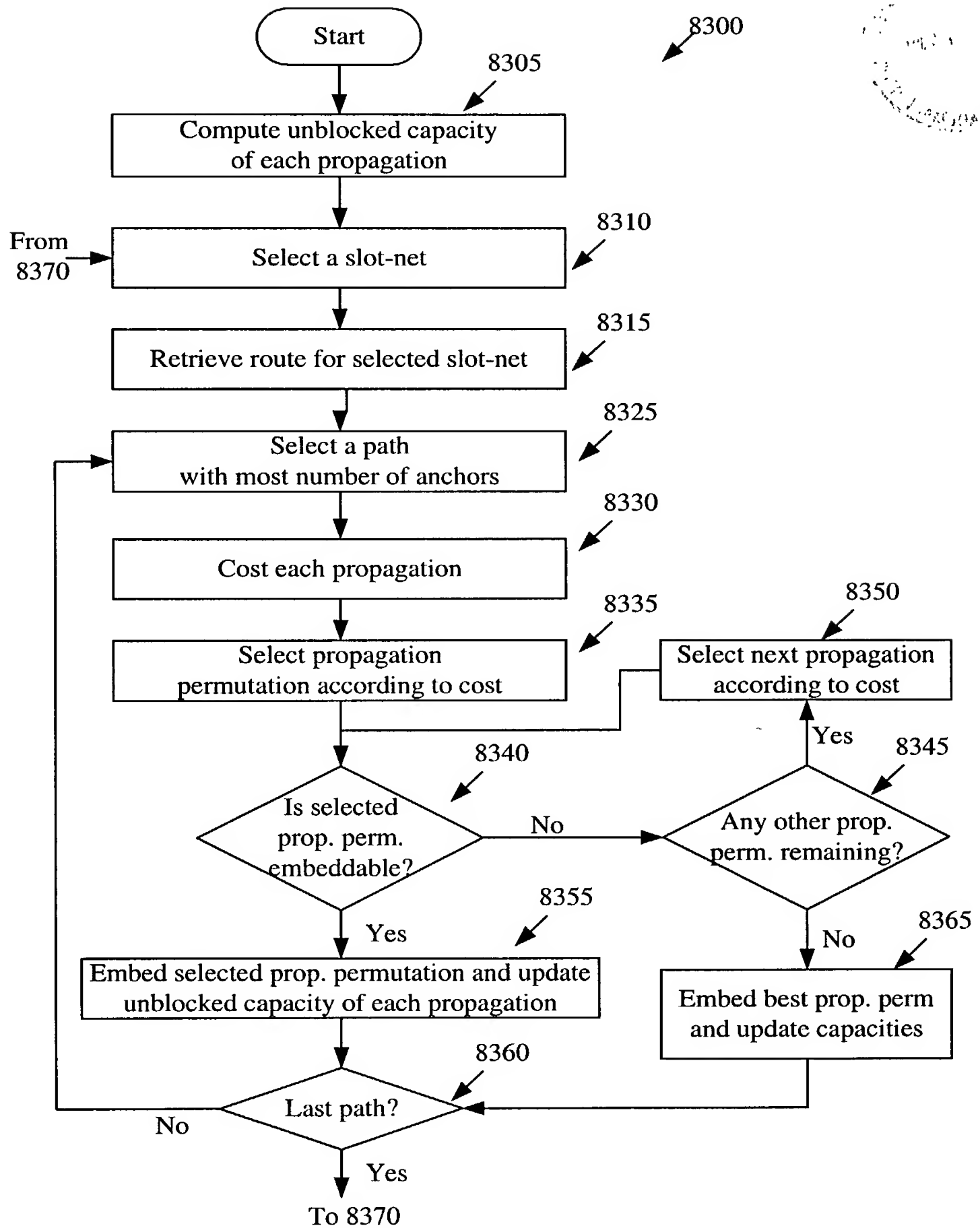
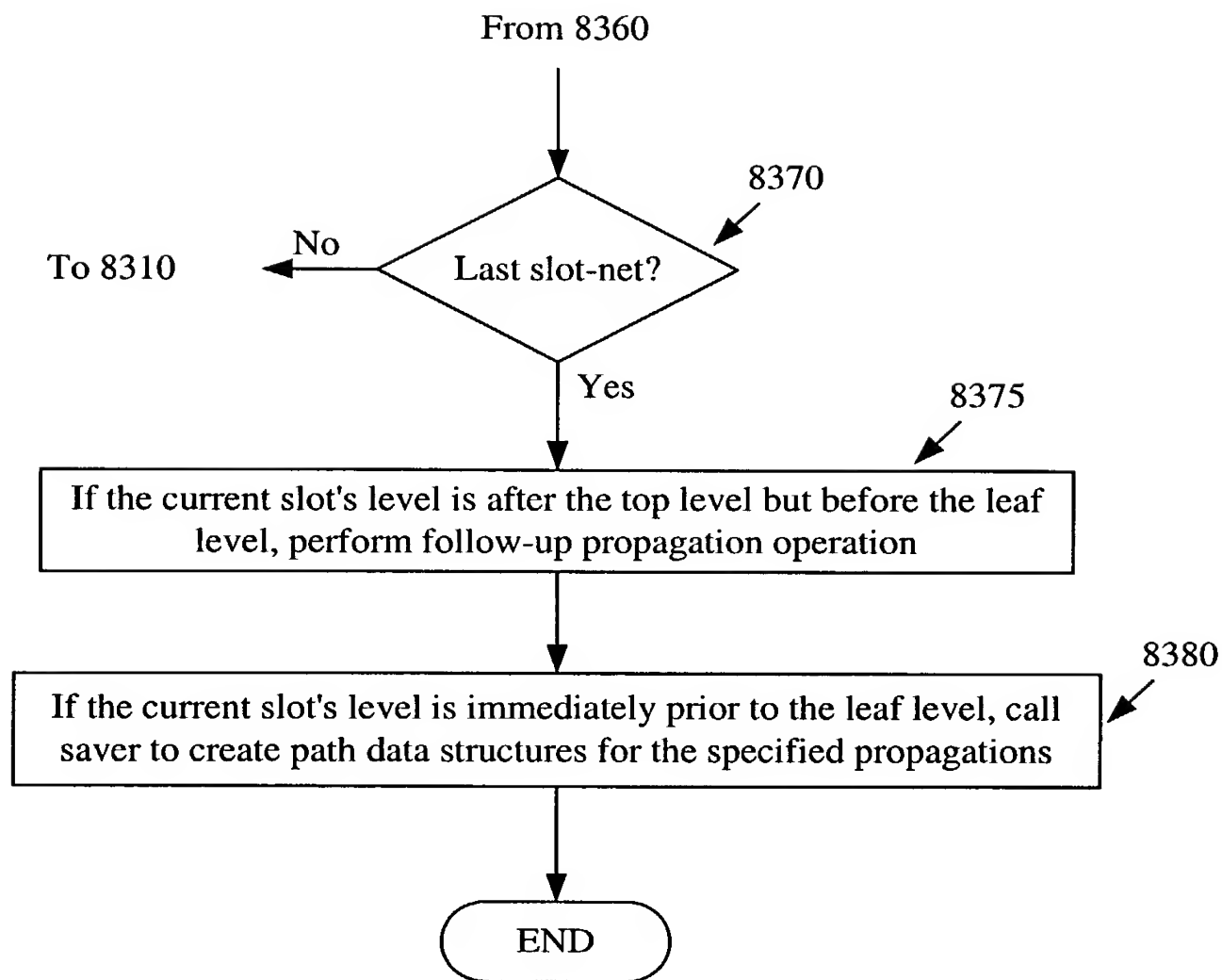
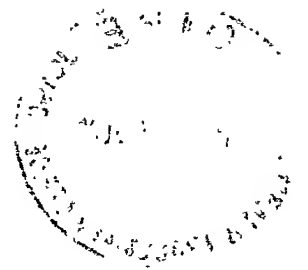


Figure 83A

*Figure 83A*  
*Figure 83: Figure 83B*





**Figure 83B**

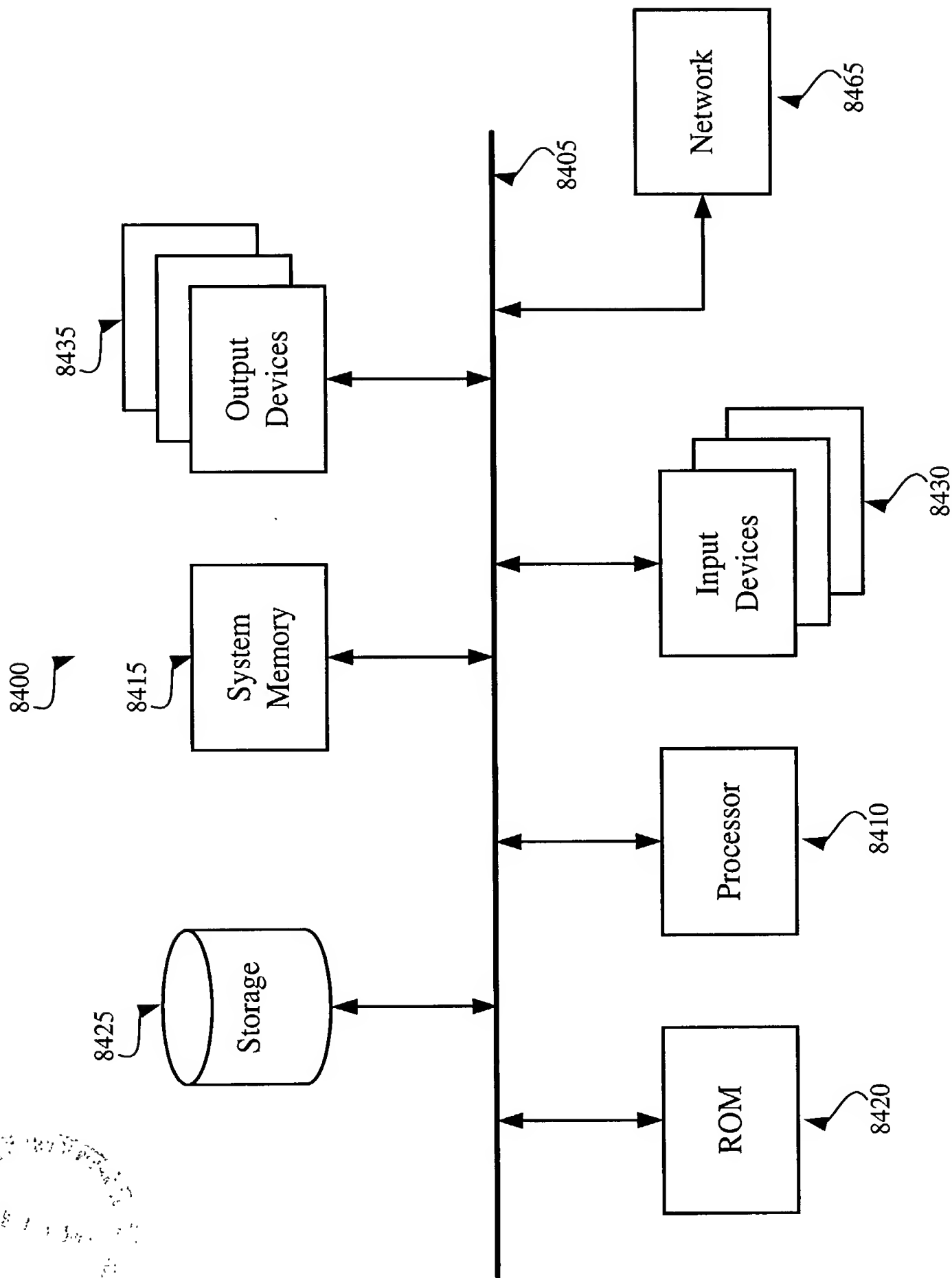


Figure 84